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ABSTRACT

This document presents data from the fall 2000 National Science Foundation/National Institutes of Health (NSF/NIH) Survey of Graduate Students and Postdoctorates in Science and Engineering. The data represents the estimated total enrollment in science and engineering (S&E) among 11,832 graduate departments of 596 institutions in the United States. The content of the document includes: general notes, technical notes, detailed statistical tables, and survey materials. (YDS)

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ED 464 814

Graduate Students and Postdoctorates in Science and Engineering

Fall 2000

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Detailed Statistical Tables

Division of Science Resources Statistics
Directorate for Social, Behavioral, and Economic Sciences
National Science Foundation

April 2002

Graduate Students and Postdoctorates in Science and Engineering

Fall 2000

Detailed Statistical Tables

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GENERAL NOTES

Data presented in these tables are derived from the fall 2000 National Science Foundation/National Institutes of Health (NSF/NIH) Survey of Graduate Students and Postdoctorates in Science and Engineering. Unless otherwise specified, the published data represent estimates of total enrollment in science and engineering (S&E) programs in approximately 11,832 graduate departments at 596 institutions in the United States and outlying areas.

NSF has collected data on graduate enrollment and postdoctoral employment since 1966. Note, however, that these data were collected on a limited or sample basis from 1984 through 1987 (see Technical Notes for further information). Beginning in 1988, all eligible institutions were included in the survey.

In 1992, the citizenship categories requested were modified to conform to those used in other surveys conducted by NSF and the National Center for Education Statistics, among others. Previously, permanent residents (those who held green cards but had not yet been granted U.S. citizenship) were included in the "Foreign" category; after 1992, these individuals were included in the "U.S. citizens" total and reported according to racial/ethnic background.

For these reasons, and because institutions may revise their data for earlier years, only the latest trend data should be used in historical analyses.

Tables showing data on source or mechanism of support refer only to primary (that is, largest) source or mechanism of support.

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TECHNICAL NOTES[1]

SURVEY UNIVERSE

The data collected in the fall 2000 Survey of Graduate Students and Postdoctorates in Science and Engineering represent national estimates of graduate enrollment and postdoctoral employment at the beginning of academic year 2000–2001 in all academic institutions in the United States that granted doctorate or master's degrees in any science or engineering field. Included are data for all branch campuses, affiliated research centers, and separately organized components such as medical or dental schools, schools of nursing, public health, etc. The survey universe consisted of 717 reporting units at 596 graduate institutions, including 236 master's-granting institutions and 481 reporting units associated with 360 doctorate-granting institutions.

The National Science Foundation (NSF) has collected data on graduate science and engineering (S&E) enrollment and postdoctoral appointees since 1966. From fall 1966 through fall 1971, data from a limited number of doctorate-granting institutions were collected through the NSF Graduate Traineeship Program, which requested data only on those S&E fields supported by NSF. Beginning with the fall 1972 survey, this data collection effort was assigned to NSF's Universities and Nonprofit Institutions Studies Group and was gradually expanded from 1972 to 1975 to include additional S&E fields as well as all institutions known to have programs leading to a master's or doctoral degree. Due to this expansion, data for 1974 and earlier years are not strictly comparable with 1975 and later data. Technical table 1 shows the number of institutions, reporting units, and departments at each level included in the data, as well as the total enrollment reported for each year between 1966 and 1999. No attempt has been made to inflate the data for 1966–74 to reflect universe totals.

Beginning with the 1984–85 academic year, master's-granting institutions were surveyed on a sample basis. From 1984 through 1987 the survey design was a stratified random sample, with all doctorate-granting institutions, all master's-granting historically black colleges and universities, and all land-grant institutions included in the certainty stratum. The remaining master's-granting institutions were divided into two sample strata on the basis of enrollment size. Data for sampled institutions for the years 1984–87 were reestimated in 1988 on the basis of 1983 and 1988 data. During the 1989 survey cycle, S&E field definitions were reviewed and some departments were deleted. Data for 1975 through 1988 were adjusted to conform to the revised definitions.

The fall 1988 survey included the entire survey population for the first time since 1983–84. Since 1988, any institutions starting up S&E master's or doctoral programs have been added to the survey universe, and any that have closed all their S&E graduate programs have been deleted. (See Survey Methodology, below.)

Technical tables 2 and 3 present data on departmental coverage by S&E field for doctorate- and master's-granting institutions for the last 8 years surveyed.

SURVEY INSTRUMENTS

The survey questionnaire on which data are reported in this publication is essentially the same as that used for the 1999 collection. In addition to the questionnaire proper, each survey package also included the following:

- an enclosure detailing mailing package contents;
- a flyer explaining NSF's academic S&E surveys;
- a cover letter to survey coordinators at graduate schools or at medical schools;
- a computer-generated List of Departments or Programs (NSF Form 811) specific to each institution surveyed and based on the departments known to exist in the previous survey cycle;
- a "crosswalk" showing National Center for Education Statistics instructional program codes corresponding to each S&E field as defined by NSF;
- a postcard for respondent use acknowledging receipt of the survey and indicating any changes in coordinator name, address, telephone number, or e-mail address;
- an "ID and Password" flyer informing coordinators of their IDs and passwords so they could access the new NSF-NIH Graduate Student Survey Web-Based Data Reporting System; and

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[1] See http://www.nsf.gov/sbe/srs/sgss/start.htm for a more detailed discussion of the methodology used in this survey.

- an "Accessing NSF Data on the Internet" sheet encouraging coordinators to view last year's data on the Web via the NSF Science Resources Statistics home page.

SURVEY METHODOLOGY

The survey packages were mailed out by November 10, 2000. This was the third year in which schools had the option of reporting data using the NSF-NIH Graduate Student Survey Web-Based Data Reporting System. Four hundred and thirty-six schools chose to report data using the Web system. The final survey universe consisted of 717 reporting units at 596 institutions.

In addition to the verification information cited above, the acknowledgment postcard also requested that institutional coordinators indicate how the data were collected, whether the data were maintained centrally or collected from individual departments, and whether they were derived from a computerized database or hand tabulated. Of the 717 reporting units surveyed, 98.9 percent have provided this information over the past 10 years. The majority of schools report a combination of sources for their data. Over the years, the use of computerized systems has shown a gradual but small increase, while the use of hand tabulation has slowly decreased.

Institutional coordinators were asked to review the departmental listing provided in the survey packet and to indicate any changes in their departmental structure such as departments newly formed, phased out, split, or merged; they were also asked to check off any departments that had neither graduate students nor postdoctorates and for which survey questionnaires would therefore not be submitted. The revised Form 811s were returned to NSF's data processing contractor for use as a checklist in tracking departmental responses.

A survey questionnaire was completed for each department either centrally or at the department level and was returned to the data processing contractor for data entry, editing, and tabulation. Arithmetic errors, inconsistencies between items, and sharp year-to-year fluctuations were referred to the institutional coordinators for correction or clarification.

RESPONSE RATE

Of the 717 reporting units included in the fall 2000 survey, 708—or 98.7 percent—were able to provide at least partial data.

At the departmental level, 11,783 departments responded, or 99.0 percent of the 11,899 departments surveyed. Of these, 9,818 departments, or 82.5 percent of the total, provided complete responses. A total of 116 departments, or 1.0 percent of the departmental total, required complete imputation; 1,965, or 16.5 percent, had one or more data cells imputed. Technical table 4 presents the department response rates for earlier years for comparison.

Missing data for partially nonrespondent departments were imputed using the departments' previous year's data, where available, or data from peer institutions in cases where data had not been reported the previous year. Data for nonrespondent departments (those that did not provide any data) were imputed using data from the previous year, where available. The number of departments in doctorate- and master's-granting institutions that required total or partial imputation, and the numbers and proportions of full- and part-time graduate students and postdoctorates imputed, are shown in technical tables 5 and 6. Imputation rates by survey data item are provided in technical table 7.

CHANGES IN DATA ITEMS

Although NSF has attempted to maintain consistent trend data, some modifications in the survey questionnaire have been made to respond to changing issues over the past 25 years. As a result, some data items are not available for all institutions in all years.

Major changes in the data collected are as follows:

- From 1975 through 1977, data for master's-granting institutions were collected on a short form (i.e., an abbreviated form of the survey) that did not collect data on sex or citizenship of graduate students, nor any data on postdoctoral appointees. In 1978, a similar questionnaire was sent to doctorate-granting institutions; master's-granting institutions were not surveyed that year. This 1978 questionnaire did not collect data on mechanisms of support for full-time students. All mechanisms of support data for that year were combined on one line and appear as "other types of support" in any data tables. The 1978 figures shown in the tables for master's-granting institutions represent estimates based on 1977 and 1979 data. Beginning in 1979, the full-scale survey form was sent to both doctorate- and master's-granting institutions.

- Distribution by sex was originally requested only for full-time graduate students at doctorate-granting institutions. Beginning in 1976, master's-granting institutions were also asked to provide data on all graduate students by sex; in 1977, similar data were requested for all graduate students in all institutions. The short form used in 1978 did not request any information on sex; 1978 figures in the tables represent estimates based on 1977 and 1979 data.

- Citizenship data were collected only for graduate students enrolled full time in doctorate-granting institutions through 1977. No citizenship data were requested on the short form used for master's-granting institutions in 1975 through 1977 and for doctorate-granting institutions in 1978. Data on citizenship of all full-time graduate students are available beginning in 1979 and on those enrolled part time since 1983.

- Racial/ethnic data were first requested in 1979 and became a standard item on the questionnaire in 1980.

- The support mechanisms of "fellowships and traineeships" were combined on one line until 1979, when separate data on the two mechanisms were first collected.

- "Other nonfaculty research staff with doctorates" were combined with postdoctoral appointees until 1979.

- Separate data on students receiving their primary support from the U.S. Department of Agriculture were first requested in 1985.

- Racial/ethnic data by sex were first requested in 1993 and became a standard item on the questionnaire in 1994.

- Separate data on students receiving their primary support from the National Aeronautics and Space Administration were first requested in 1996.

- A new Web-based reporting option was incorporated into the 1998 graduate student survey. Coordinators and departmental respondents both had the option of submitting their data through the World Wide Web. Using this new Web option, schools could avoid manually filling out the paper survey, and could obtain immediate feedback on their responses. This helped coordinators and departmental respondents ensure that their data were accurate and complete. Using this option also enabled respondents to upload their own data files, speeding up the reporting process.

- In 1999 separate data on students receiving their primary support from the Department of Energy were requested. In addition, respondents were presented with new Race/Ethnicity categories. The Asian/Pacific Islander category, used in previous years' surveys, was separated into an Asian category and a Native Hawaiian/Pacific Islander category. Two new categories, More than One Race Hispanic and More than One Race Non-Hispanic, were also added to the survey. The "Other" category, included in previous year's surveys, was removed from the 1999 survey. Also, 1999 was the first year in which first-time enrollment by Race/Ethnicity was requested. These changes are not reflected in the 2000 published tables. This year and last, the data reported in the new categories were combined into the previous survey categories for table production. The data were collapsed into the following categories: the data in the "Asian" category were combined with those in the "Native Hawaiian/Pacific Islander" category; data in the "One Race Only Hispanic" category and the "More than One Race Hispanic" category were combined to produce the "Hispanic" category on the tables; and data in the "More than One Race Non-Hispanic" category were combined with the "Unknown" category to form the "Other or Unknown" category on the tables.

DATA REVISIONS.

During the fall 1988 survey cycle, the criteria for including departments in the survey universe were tightened, and all departments surveyed were reviewed. Those departments not primarily oriented toward granting research degrees were no longer considered to meet the definition of science and engineering. As a result of this review, it was determined that a number of departments—primarily those in the field of "Social sciences, not elsewhere classified"—were engaged in training primarily teachers, practitioners, administrators, or managers rather than researchers; these departments were deleted from the database. This process was continued during the 1989–97 survey cycles and expanded to ensure trend consistency for the entire 1975–97 period. As a result, total enrollments and social science enrollments for all years were reduced. The net effect of adjustments over the years is shown in technical table 8.

During the same period, the survey methodology changed so that the institution's highest S&E degree in the current year would apply to all previous years in which that institution was surveyed. Since a number of master's-granting institutions have become doctorate-granting institutions over the years, the result has been a smaller decrease in enrollment at doctorate-granting institutions than at master's-granting institutions. For the years 1975–76 and 1991–92, there was an increase in enrollment at doctorate-granting institutions after subsequent year modifications.

The definition of medical schools was revised during the fall 1992 survey cycle to include only those institutional components that are members of the Association of American Medical Colleges. Tables generated after the fall 1992 survey differ from their counterparts in earlier years in that they exclude schools of nursing, public health, dentistry, veterinary medicine, and other health-related disciplines; they should not be compared with tables from earlier years.

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Technical Table 1. The NSF data collection series: 1966-2000

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Year	Number of institutions surveyed	Number of reporting units surveyed	Number of departments surveyed			Graduate enrollment in surveyed fields		
			Total	Master's	Doctorate	Total	Full-time	Part-time
A. Graduate Traineeship Program								
1966	204	204	2,866	441	2,425	169,303	124,255	45,048
1967	209	209	3,014	434	2,580	179,622	133,972	45,650
1968	219	219	3,190	454	2,736	184,759	140,714	44,045
1969	224	224	3,354	460	2,894	196,341	147,515	48,826
1970	227	227	3,544	473	3,071	201,918	153,250	48,668
1971[1]	224	249	3,397	407	2,990	214,680	164,764	49,916
B. Survey of Graduate Students and Postdoctorates in Science and Engineering[2]								
Doctorate institutions:								
1972	260	328	4,593	780	3,813	210,895	161,329	49,566
1973	258	335	6,527	852	5,675	214,378	161,555	52,823
1974	279	369	7,474	1,390	6,084	260,001	190,589	69,412
1975	339	436	7,958	1,781	6,177	297,400	208,283	89,117
1976	349	447	8,056	1,838	6,218	301,688	212,045	89,643
1977	350	452	8,284	1,971	6,313	310,269	214,505	95,764
1978	328	436	8,261	1,874	6,387	303,275	210,265	93,010
1979	366	481	8,530	2,043	6,487	319,564	218,548	101,016
1980	365	480	8,634	2,090	6,544	329,168	224,663	104,505
1981	363	476	8,557	2,085	6,472	335,870	228,491	107,379
1982	360	474	8,413	2,070	6,343	342,064	231,541	110,523
1983	359	473	8,287	2,032	6,255	349,158	237,562	111,596
1984	341	459	8,261	1,972	6,289	350,446	238,206	112,240
1985	341	454	8,374	2,012	6,362	359,800	241,756	118,044
1986	341	456	8,448	2,023	6,425	370,398	250,437	119,961
1987	345	462	8,564	2,028	6,536	376,059	255,043	121,016
1988	364	482	8,851	2,153	6,698	382,724	260,856	121,868
1989	365	483	8,974	2,167	6,807	390,387	268,066	122,321
1990	364	482	9,121	2,216	6,905	404,402	276,847	127,555
1991	364	482	9,319	2,240	7,079	419,993	289,479	130,514
1992	364	482	9,555	2,288	7,267	439,470	303,786	135,684
1993	364	482	9,746	2,299	7,447	448,031	309,940	138,091
1994	363	481	9,955	2,355	7,600	448,679	311,583	137,096
1995	362	480	10,130	2,406	7,724	443,058	308,052	135,006
1996	363	481	10,145	2,457	7,688	437,590	306,851	130,739
1997	362	484	10,117	2,527	7,590	430,875	304,696	126,179
1998	362	483	10,195	2,535	7,660	428,156	303,777	124,379
1999	361	482	10,306	2,502	7,804	434,300	310,174	124,126
2000	360	481	10,349	2,545	7,804	435,612	316,531	119,081

See explanatory information, if any, and SOURCE at end of table.

Technical Table 1. The NSF data collection series: 1966-2000

Page 2 of 2

Year	Number of institutions surveyed	Number of reporting units surveyed	Number of departments surveyed			Graduate enrollment in surveyed fields		
			Total	Master's	Doctorate	Total	Full-time	Part-time
Master's institutions:								
1975[3]	247	247	1,046	1,046	na	31,150	11,404	19,746
1976	247	247	1,055	1,055	na	32,067	11,401	20,666
1977	253	253	1,109	1,109	na	35,147	12,271	22,876
1978[4]	272	272	1,248	1,248	na	36,637	12,765	23,872
1979	265	265	1,157	1,157	na	38,045	13,242	24,803
1980	263	263	1,165	1,165	na	37,943	13,785	24,158
1981	261	261	1,172	1,172	na	39,288	13,585	25,703
1982	251	251	1,172	1,172	na	40,270	13,255	27,015
1983	251	251	1,181	1,181	na	41,316	14,493	26,823
1984[5]	71	71	530	530	na	44,224	15,716	28,508
1985[5]	71	71	537	537	na	44,221	15,531	28,690
1986[5]	71	71	537	537	na	45,122	15,731	29,391
1987[5]	71	71	540	540	na	45,438	16,013	29,425
1988	242	242	1,165	1,165	na	41,868	14,329	27,539
1989	244	244	1,214	1,214	na	44,165	14,645	29,520
1990	246	246	1,238	1,238	na	47,769	15,976	31,793
1991	245	245	1,280	1,280	na	51,291	17,576	33,715
1992	244	244	1,318	1,318	na	54,154	18,823	35,331
1993	242	242	1,358	1,358	na	56,378	19,761	36,617
1994	242	242	1,411	1,411	na	55,837	20,566	35,271
1995	241	241	1,437	1,437	na	56,692	21,304	35,388
1996	240	240	1,435	1,435	na	56,605	21,777	34,828
1997	239	239	1,473	1,473	na	56,441	22,689	33,752
1998	239	239	1,491	1,491	na	57,604	23,745	33,859
1999	238	238	1,523	1,523	na	59,110	24,247	34,863
2000	236	236	1,550	1,550	na	58,982	25,590	33,392

[1] The 1972 survey also collected selected data for 1971.

[2] The name of the survey was changed in 1981 to specify the inclusion of engineering.

[3] The 1976 survey also collected 1975 data from master's-granting institutions.

[4] Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

[5] Master's-granting institutions were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Technical Table 2. Number of science, engineering, and health departments in doctorate-granting institutions, by detailed field: 1993-2000

Page 1 of 2

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	9,746	9,955	10,130	10,145	10,117	10,195	10,306	10,349
Total, science and engineering fields	6,999	7,138	7,258	7,253	7,270	7,331	7,404	7,450
Sciences, total	5,649	5,752	5,846	5,827	5,822	5,861	5,914	5,935
Physical sciences, total	578	579	587	581	583	587	588	586
Astronomy	34	34	35	35	35	36	36	38
Chemistry	276	275	275	275	276	275	279	276
Physics	251	253	255	251	254	256	250	246
Physical sciences, n.e.c.	17	17	22	20	18	20	23	26
Earth, atmos., & ocean sci., total	330	339	353	350	352	361	360	363
Atmospheric sciences	31	32	33	33	32	33	32	33
Geosciences	204	208	212	212	209	208	205	204
Oceanography	45	46	50	48	49	54	56	55
Earth, atmos., & ocean sci., n.e.c.	50	53	58	57	62	66	67	71
Mathematical sciences, total	391	397	402	402	400	397	397	394
Mathematics & applied mathematics	313	316	319	318	317	315	314	309
Statistics	78	81	83	84	83	82	83	85
Computer sciences	264	272	283	290	294	301	310	321
Agricultural sciences	312	318	324	318	328	333	327	330
Biological sciences, total	1,959	1,986	2,002	1,982	1,953	1,970	1,989	1,978
Anatomy	101	101	98	97	93	90	88	86
Biochemistry	189	190	192	191	191	191	193	186
Biology	240	239	239	241	247	251	252	251
Biometry/epidemiology	69	71	72	72	72	73	73	73
Biophysics	33	33	33	34	31	31	31	30
Botany	103	104	101	98	95	94	88	86
Cell biology	113	121	125	125	126	139	140	147
Ecology	27	31	31	30	29	30	35	36
Entomology/parasitology	49	49	48	48	48	49	47	46
Genetics	79	82	84	83	82	82	84	86
Microbio., immunology, & virology	257	258	262	261	251	254	261	260
Nutrition	117	122	126	125	123	124	125	124
Pathology	143	143	144	139	138	135	134	132
Pharmacology	168	169	169	164	159	158	162	160
Physiology	146	144	146	144	138	133	133	130
Zoology	49	49	48	44	40	39	39	35
Biosciences, n.e.c.	76	80	84	86	90	97	104	110
Psychology, total	529	545	561	566	573	576	592	598
Psychology, general	173	175	173	170	173	175	178	182
Clinical psychology	115	117	124	128	131	130	132	132
Psychology, n.e.c.	241	253	264	268	269	271	282	284
Social sciences, total	1,286	1,316	1,334	1,338	1,339	1,336	1,351	1,365
Agricultural economics	53	54	55	55	55	55	55	55
Anthropology (cultural & social)	130	132	135	135	138	135	135	133
Economics (except agricultural)	205	208	207	201	201	199	200	199
Geography	100	101	102	100	101	102	102	102
History and philosophy of science	20	21	21	23	23	23	24	26
Linguistics	69	69	70	72	71	70	71	72
Political science	326	332	338	339	341	342	345	349
Sociology	181	182	183	180	177	177	178	177
Sociology/anthropology	25	26	25	25	25	24	24	24
Social sciences, n.e.c.	177	191	198	208	207	209	217	228
Engineering, total	1,350	1,386	1,412	1,426	1,448	1,470	1,490	1,515
Aerospace engineering	50	52	53	52	54	54	56	57
Agricultural engineering	40	38	38	38	38	38	39	40
Biomedical engineering	56	57	59	61	64	72	77	81
Chemical engineering	142	143	143	145	145	145	148	149
Civil engineering	206	216	222	231	235	238	245	250
Electrical engineering	221	228	233	237	241	244	244	248
Engineering science	39	41	39	36	36	38	40	39
Industrial /manufacturing eng.	152	161	164	167	168	168	166	172
Mechanical engineering	187	189	191	191	191	192	192	191
Metallurgical/materials eng.	103	106	108	109	114	115	114	111
Mining engineering	30	29	26	24	24	24	24	25
Nuclear engineering	25	26	26	24	23	24	24	24
Petroleum engineering	20	20	21	20	18	17	16	18
Engineering, n.e.c.	79	80	89	91	97	101	105	110

See explanatory information, if any, and SOURCE at end of table.

Technical Table 2. Number of science, engineering, and health departments in doctorate-granting institutions, by detailed field: 1993-2000

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Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, health fields	2,747	2,817	2,872	2,892	2,847	2,864	2,902	2,899
Medical fields, total	2,033	2,085	2,124	2,125	2,065	2,064	2,082	2,042
Anesthesiology	86	88	88	90	89	89	86	87
Cardiology	69	70	71	71	71	71	72	71
Oncology/cancer research	48	50	55	57	62	63	71	70
Endocrinology	72	74	74	74	71	71	72	70
Gastroenterology	68	71	71	71	68	68	68	68
Hematology	71	73	73	72	71	69	72	71
Neurology	146	154	155	152	155	157	164	162
Obstetrics and gynecology	96	96	96	95	90	91	91	88
Ophthalmology	81	81	81	79	79	79	78	76
Otorhinolaryngology	71	72	72	72	68	64	64	62
Pediatrics	111	115	116	118	111	112	110	110
Preventive medicine/community health	179	183	188	189	187	194	198	196
Psychiatry	103	107	107	104	102	101	100	98
Pulmonary disease	67	68	69	68	66	67	66	64
Radiology	137	139	141	138	134	129	131	128
Surgery	246	251	257	259	245	244	246	240
Clinical medicine, n.e.c.	382	393	410	416	396	395	393	381
Other health fields, total	714	732	748	767	782	800	820	857
Dental sciences	91	88	87	86	81	78	79	82
Nursing	140	144	150	148	153	157	158	158
Pharmaceutical sciences	88	89	90	93	91	92	91	86
Speech pathology/audiology	135	137	138	139	141	142	144	153
Veterinary sciences	47	48	49	49	50	52	55	62
Health related, n.e.c.	213	226	234	252	266	279	293	316

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Technical Table 3. Number of science, engineering, and health departments in master's-granting institutions, by detailed field: 1993-2000

Page 1 of 2

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	1,358	1,411	1,437	1,435	1,473	1,491	1,523	1,550
Total, science and engineering fields	1,184	1,227	1,239	1,225	1,251	1,261	1,273	1,284
Sciences, total	1,026	1,063	1,072	1,065	1,085	1,093	1,101	1,112
Physical sciences, total	112	113	110	106	110	109	106	101
Astronomy	0	0	0	0	0	0	0	0
Chemistry	71	71	67	65	66	65	64	63
Physics	30	30	30	29	30	30	28	26
Physical sciences, n.e.c.	11	12	13	12	14	14	14	12
Earth, atmos., & ocean sci., total	50	52	58	58	61	62	62	64
Atmospheric sciences	1	1	2	2	2	2	1	1
Geosciences	25	26	27	27	28	28	29	31
Oceanography	7	7	7	6	7	7	8	8
Earth, atmos., & ocean sci., n.e.c.	17	18	22	23	24	25	24	24
Mathematical sciences, total	97	98	98	97	100	99	99	97
Mathematics & applied mathematics	92	93	93	93	96	95	95	93
Statistics	5	5	5	4	4	4	4	4
Computer sciences	78	81	82	83	82	83	87	96
Agricultural sciences	26	32	33	31	30	31	31	28
Biological sciences, total	164	164	168	166	169	169	170	175
Anatomy	0	0	0	0	0	0	0	0
Biochemistry	3	4	4	4	4	4	3	3
Biology	125	123	123	124	125	125	125	123
Biometry/epidemiology	0	0	0	0	0	0	0	0
Biophysics	0	0	0	0	0	0	0	0
Botany	2	2	2	2	2	2	2	2
Cell biology	1	1	2	1	3	3	3	4
Ecology	3	3	3	2	4	4	4	5
Entomology/parasitology	0	0	0	0	0	0	0	0
Genetics	1	1	1	1	1	1	2	2
Microbio., immunology, & virology	2	2	2	2	3	2	2	3
Nutrition	11	13	15	15	13	14	14	14
Pathology	2	2	2	2	1	1	1	1
Pharmacology	1	0	0	0	0	1	1	1
Physiology	0	0	0	0	0	0	1	2
Zoology	2	2	2	2	2	2	2	2
Biosciences, n.e.c.	11	11	12	11	11	10	10	13
Psychology, total	223	231	228	230	238	237	244	244
Psychology, general	85	85	84	85	85	85	85	86
Clinical psychology	30	34	34	34	36	36	38	38
Psychology, n.e.c.	108	112	110	111	117	116	121	120
Social sciences, total	276	292	295	294	295	303	302	307
Agricultural economics	3	3	3	3	3	3	3	2
Anthropology (cultural & social)	11	11	11	11	12	12	13	13
Economics (except agricultural)	30	30	31	32	32	33	32	32
Geography	22	22	22	22	22	22	23	22
History and philosophy of science	0	0	0	0	0	2	2	3
Linguistics	7	7	7	7	7	7	7	7
Political science	96	103	105	105	103	103	105	109
Sociology	40	41	42	40	42	43	43	42
Sociology/anthropology	2	2	2	2	2	1	1	1
Social sciences, n.e.c.	65	73	72	72	72	77	73	76
Engineering, total	158	164	167	160	166	168	172	172
Aerospace engineering	2	4	4	3	3	3	3	3
Agricultural engineering	0	0	0	0	0	0	0	0
Biomedical engineering	4	4	4	3	4	4	4	4
Chemical engineering	6	6	7	7	7	7	6	6
Civil engineering	26	28	31	31	31	30	29	28
Electrical engineering	37	37	39	39	40	40	43	44
Engineering science	2	2	2	2	2	2	2	2
Industrial /manufacturing eng.	27	27	29	27	27	30	31	29
Mechanical engineering	20	20	21	19	20	21	22	23
Metallurgical/materials eng.	6	6	5	4	5	4	4	3
Mining engineering	4	4	2	2	2	2	2	2
Nuclear engineering	0	0	0	0	0	0	0	0
Petroleum engineering	1	1	1	1	1	1	1	1
Engineering, n.e.c.	23	25	22	22	24	24	25	27

See explanatory information, if any, and SOURCE at end of table.

Technical Table 3. Number of science, engineering, and health departments in master's-granting institutions, by detailed field: 1993-2000

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Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, health fields	174	184	198	210	222	230	250	266
Medical fields, total	12	15	16	14	15	17	19	19
Anesthesiology	3	3	3	2	3	3	3	3
Cardiology	0	0	0	0	0	0	0	0
Oncology/cancer research	0	0	0	0	0	0	0	0
Endocrinology	0	0	0	0	0	0	0	0
Gastroenterology	0	0	0	0	0	0	0	0
Hematology	0	0	0	0	0	0	0	0
Neurology	0	0	0	0	0	0	0	0
Obstetrics and gynecology	0	0	0	0	0	0	0	0
Ophthalmology	0	0	0	0	0	0	0	0
Otorhinolaryngology	0	0	0	0	0	0	0	0
Pediatrics	0	0	0	0	0	0	0	0
Preventive medicine/community health	6	7	7	7	7	8	9	8
Psychiatry	1	2	2	1	1	1	1	1
Pulmonary disease	0	0	0	0	0	0	0	0
Radiology	0	0	1	1	1	1	1	1
Surgery	0	0	0	0	0	0	0	0
Clinical medicine, n.e.c.	2	3	3	3	3	4	5	6
Other health fields, total	162	169	182	196	207	213	231	247
Dental sciences	0	0	0	0	0	0	0	0
Nursing	51	54	63	66	70	71	80	86
Pharmaceutical sciences	2	1	1	1	1	2	2	2
Speech pathology/audiology	54	55	57	61	63	65	67	67
Veterinary sciences	0	0	0	0	0	0	0	0
Health related, n.e.c.	55	59	61	68	73	75	82	92

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Technical Table 4. Original departmental response rates: 1975-2000

Year	Total	Complete response	Percent	Partial response	Percent	Non-response	Percent
1975[1]	9,162	8,998	98.2	na	na	na	na
1976	9,275	9,148	98.6	na	na	na	na
1977	9,513	9,432	99.1	na	na	na	na
1978[2]	8,242	8,077	98.0	na	na	na	na
1979	9,796	9,446	96.4	na	na	na	na
1980	9,930	9,593	96.6	na	na	na	na
1981	9,917	8,594	86.7	613	6.2	710	7.2
1982	9,776	8,104	82.9	744	7.6	928	9.5
1983	9,663	8,070	83.5	816	8.4	777	8.0
1984[3]	8,748	7,490	85.6	643	7.4	615	7.0
1985[3]	9,025	7,818	86.6	672	7.4	535	5.9
1986[3]	9,097	7,817	85.9	779	8.6	501	5.5
1987[3]	9,254	8,030	86.8	715	7.7	509	5.5
1988	10,295	8,812	85.6	970	9.4	513	5.0
1989	10,318	8,908	86.3	891	8.6	519	5.0
1990	10,483	8,884	84.7	1,053	10.0	546	5.2
1991	10,705	9,052	84.6	1,186	11.1	467	4.4
1992	10,936	9,066	82.9	1,538	14.1	332	3.0
1993	11,146	9,156	82.1	1,555	14.0	435	3.9
1994	11,411	8,863	77.7	2,109	18.5	439	3.8
1995	11,598	9,514	82.0	1,730	14.9	354	3.1
1996	11,592	9,851	85.0	1,522	13.1	219	1.9
1997	11,597	9,720	83.8	1,665	14.4	212	1.8
1998	11,718	9,822	83.8	1,706	14.6	190	1.6
1999	11,833	9,396	79.4	2,289	19.3	148	1.3
2000	11,899	9,818	82.5	1,965	16.5	116	1.0

[1] The 1976 survey also collected 1975 data from master's-granting institutions.

[2] Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

[3] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

NOTE: Departments providing partial responses are included in the complete response column prior to 1981 and reported separately beginning in 1981.

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Technical Table 5. Imputation for nonresponse in doctorate-granting institutions, by field and enrollment status: 1998-2000

Area of science and engineering	Number of graduate departments		Graduate enrollment								
			Total in survey			Number imputed			Imputation rate (percent)		
	In universe	Totally imputed	Full-time	Part-time	Postdoctorates	Full-time	Part-time	Postdoctorates	Full-time	Part-time	Postdoctorates
	Fall 2000										
Total, all areas	10,349	103	316,531	119,081	41,548	2,126	2,236	122	0.7	1.9	0.3
Physical sciences	586	3	26,104	3,259	5,880	12	17	0	.0	.5	.0
Earth, atmospheric, & ocean sciences	363	1	10,114	2,605	1,135	3	24	0	.0	.9	.0
Mathematical sciences	394	3	11,173	2,771	375	24	40	0	.2	1.4	.0
Computer sciences	321	5	23,282	16,404	352	130	243	0	.6	1.5	.0
Agricultural sciences	330	0	8,644	2,226	777	0	0	0	.0	.0	.0
Biological sciences	1,978	11	45,363	7,266	16,093	271	83	64	.6	1.1	.4
Psychology	598	16	28,562	9,686	698	535	262	1	1.9	2.7	.1
Social sciences	1,365	21	48,885	23,116	435	338	590	2	.7	2.6	.5
Engineering	1,515	14	70,969	28,166	3,208	177	192	13	.2	.7	.4
Health fields	2,899	29	43,435	23,582	12,595	636	785	42	1.5	3.3	.3
	Fall 1999										
Total, all areas	10,306	122	310,174	124,126	40,194	4,296	2,991	472	1.4	2.4	1.2
Physical sciences	588	8	26,183	3,376	6,043	328	41	42	1.3	1.2	.7
Earth, atmospheric, & ocean sciences	360	3	10,049	2,763	919	47	1	6	.5	.0	.7
Mathematical sciences	397	6	11,200	3,141	348	110	42	0	1.0	1.3	.0
Computer sciences	310	6	20,267	15,311	328	219	177	0	1.1	1.2	.0
Agricultural sciences	327	4	8,648	2,488	709	178	77	8	2.1	3.1	1.1
Biological sciences	1,989	14	45,287	7,869	15,856	500	155	210	1.1	2.0	1.3
Psychology	592	13	28,726	10,903	703	626	425	10	2.2	3.9	1.4
Social sciences	1,351	23	49,626	23,896	452	660	742	5	1.3	3.1	1.1
Engineering	1,490	16	66,471	29,566	3,173	668	633	39	1.0	2.1	1.2
Health fields	2,902	29	43,717	24,813	11,663	960	698	152	2.2	2.8	1.3
	Fall 1998										
Total, all areas	10,195	167	303,777	124,379	39,443	4,628	2,688	758	1.5	2.2	1.9
Physical sciences	587	6	25,943	3,514	5,885	114	8	9	.4	.2	.2
Earth, atmospheric, & ocean sciences	361	6	9,992	2,929	893	135	30	44	1.4	1.0	4.9
Mathematical sciences	397	5	11,150	3,432	274	268	75	4	2.4	2.2	1.5
Computer sciences	301	7	18,129	14,247	365	307	93	8	1.7	.7	2.2
Agricultural sciences	333	4	8,545	2,488	662	88	22	7	1.0	.9	1.1
Biological sciences	1,970	26	45,174	7,763	15,492	955	82	175	2.1	1.1	1.1
Psychology	576	15	29,015	11,321	606	785	310	8	2.7	2.7	1.3
Social sciences	1,336	19	50,139	23,101	389	584	687	0	1.2	3.0	.0
Engineering	1,470	9	63,870	30,355	2,835	443	334	21	.7	1.1	.7
Health fields	2,864	70	41,820	25,229	12,042	949	1,047	482	2.3	4.1	4.0

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Technical Table 6. Imputation for nonresponse in master's-granting institutions, by field and enrollment status: 1998-2000

Area of science and engineering	Number of graduate departments		Graduate enrollment								
			Total in survey			Number imputed			Imputation rate (percent)		
	In universe	Totally imputed	Full-time	Part-time	Postdoctorates	Full-time	Part-time	Postdoctorates	Full-time	Part-time	Postdoctorates
	Fall 2000										
Total, all areas	1,550	13	25,590	33,392	89	186	583	0	0.7	1.7	0.0
Physical sciences	101	0	448	652	68	0	0	0	.0	.0	.0
Earth, atmospheric, & ocean sciences	64	0	445	776	0	0	0	0	.0	.0	.0
Mathematical sciences	97	1	559	1,143	2	4	7	0	.7	.6	.0
Computer sciences	96	1	3,362	4,546	3	21	63	0	.6	1.4	.0
Agricultural sciences	28	0	469	345	2	0	0	0	.0	.0	.0
Biological sciences	175	2	1,663	2,202	4	54	18	0	3.2	.8	.0
Psychology	244	3	6,504	5,937	2	69	88	0	1.1	1.5	.0
Social sciences	307	5	3,844	7,614	4	34	312	0	.9	4.1	.0
Engineering	172	0	1,636	3,830	2	0	0	0	.0	.0	.0
Health fields	266	1	6,660	6,347	2	4	95	0	.1	1.5	.0
	Fall 1999										
Total, all areas	1,523	22	24,247	34,863	87	537	694	0	2.2	2.0	0.0
Physical sciences	106	2	452	680	64	1	2	0	.2	.3	.0
Earth, atmospheric, & ocean sciences	62	0	435	836	2	0	0	0	.0	.0	.0
Mathematical sciences	99	1	596	1,320	0	5	7	0	.8	.5	.0
Computer sciences	87	0	2,441	4,541	2	0	0	0	.0	.0	.0
Agricultural sciences	31	0	508	344	2	0	0	0	.0	.0	.0
Biological sciences	170	3	1,820	2,139	5	65	33	0	3.6	1.5	.0
Psychology	244	7	5,979	6,256	6	272	265	0	4.5	4.2	.0
Social sciences	302	4	3,671	7,815	0	25	275	0	.7	3.5	.0
Engineering	172	0	1,552	4,102	4	0	0	0	.0	.0	.0
Health fields	250	5	6,793	6,830	2	169	112	0	2.5	1.6	.0
	Fall 1998										
Total, all areas	1,491	20	23,745	33,859	104	424	549	28	1.8	1.6	26.9
Physical sciences	109	2	448	670	79	15	21	28	3.3	3.1	35.4
Earth, atmospheric, & ocean sciences	62	1	452	885	4	3	8	0	.7	.9	.0
Mathematical sciences	99	1	601	1,302	0	1	0	0	.2	.0	.0
Computer sciences	83	1	1,843	3,808	3	8	6	0	.4	.2	.0
Agricultural sciences	31	0	441	370	1	0	0	0	.0	.0	.0
Biological sciences	169	0	1,818	2,239	6	0	0	0	.0	.0	.0
Psychology	237	6	6,133	6,088	6	282	321	0	4.6	5.3	.0
Social sciences	303	8	3,683	7,108	0	102	147	0	2.8	2.1	.0
Engineering	168	0	1,565	4,248	4	0	0	0	.0	.0	.0
Health fields	230	1	6,761	7,141	1	13	46	0	.2	.6	.0

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Technical Table 7. Imputation rates for all departments at all graduate institutions: fall 2000

[Number of imputed departments = 1,939]

Item 5. Full-time graduate students by source and mechanism of the largest amount of support received

Mechanism of support and sex of full-time S&E graduate students	Students receiving financial assistance											Self support (includ. loans & family sources) (L)	Total for all sources (sum of columns A - L) (M)
	Federal sources (excluding loans)								Non-Federal sources				
		HHS											
	DoD (A)	NIH (B)	Other HHS (C)	NSF (D)	Dept. of Agr. (E)	NASA (F)	DOE (G)	Other Federal sources (H)	Inst. support (I)	Foreign sources (J)	Other U.S. sources (K)		
Full-time graduate S&E students:													
Graduate fellowships	19.9	18.8	33.6	10.4	10.3	9.4	0.6	8.6	12.0	12.0	17.2	N/A	12.3
Graduate traineeships	21.7	11.6	15.4	20.8	33.3	0.0	0.0	10.4	9.6	14.4	23.8	N/A	12.3
Graduate research asstships	14.8	9.8	3.8	12.3	2.0	12.4	1.9	12.2	11.2	7.6	11.0	N/A	10.0
Graduate teaching asstships	N/A	13.5	10.8	10.5	19.1	0.0	0.0	3.6	11.6	N/A	10.1	N/A	10.4
Other types of support	50.6	10.8	7.7	7.0	0.0	0.0	0.0	11.4	13.0	12.0	16.0	19.3	18.1
Full-time total	22.7	11.0	13.2	12.1	3.0	11.4	1.8	11.0	11.6	11.4	13.3	19.3	0.7
Full-time women	21.3	12.3	14.0	11.0	3.5	12.4	2.8	13.0	14.6	10.1	17.7	24.6	1.3

Items 6 and 7. Race/ethnicity of part-time and full-time graduate students by sex

Enrollment status and sex of S&E graduate students	U.S. citizens and permanent residents									Foreign (temporary visa holders) (J)	Total (sum of columns A - J) (K)
	One race only: Non-Hispanic/Latino					One race only	More than one race		Unknown (I)		
	Black/ African American (A)	American Indian/ Alaska Native (B)	Asian American (C)	Native Hawaiian/ Pacific Islander (D)	White (E)	Hispanic/ Latino (F)	Hispanic/ Latino (G)	Non-Hispanic/ Latino (H)			
Item 6											
Part-time, total	5.0	1.5	2.1	0.7	3.9	2.8	0.1	0.0	5.1	3.1	1.9
Men enrolled part-time	5.6	2.6	2.1	1.3	4.0	2.8	0.4	0.0	4.5	3.3	2.2
Women enrolled part-time	4.9	0.8	2.2	0.0	4.2	3.1	0.0	0.0	5.9	3.3	2.7
Item 7											
Full-time, total	3.8	1.1	1.6	2.0	3.4	3.0	0.1	0.8	2.1	3.3	0.7
Men enrolled full-time	3.5	1.4	1.5	3.3	3.7	3.4	0.0	2.0	3.2	3.6	1.8
Women enrolled full-time	4.3	1.1	1.6	0.6	3.6	3.0	0.2	9.3	1.4	2.9	1.3
Full-time first-time total[1]	na	na	na	na	na	na	na	na	na	na	0.7
Full-time first-time women	na	na	na	na	na	na	na	na	na	na	0.9

Item 8. S&E postdoctorates and nonfaculty research staff with doctorates

Sex and type of doctorate	Postdoctorates						Other non-faculty research staff with doctor-ates (G)
	Source of support				Total for all sources (A - D) (E)	Foreign postdoc-torates (F)	
	Federal			Non-Federal (D)			
	Fellow-ships (A)	Trainee-ships (B)	Research grants (C)				
Total	16.1	5.3	7.2	13.5	0.3	2.4	2.8
Women	14.3	4.1	7.3	8.8	2.6	2.3	3.0
With MD, DO, DDS or DVM degrees	28.5	4.7	5.4	9.4	3.3	2.3	3.9

[1] Full-time first-time detail data not imputed

KEY:
DoD = Department of Defense
DOE = Department of Energy
HHS = Department of Health & Human Services
NASA = National Aeronautics & Space Administration
NIH = National Institutes of Health
NSF = National Science Foundation
N/A = Not applicable
na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Technical Table 8. Comparison of graduate enrollment data as originally published and as modified through the fall 2000 graduate student survey cycle: 1975-2000

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Year	Total, all institutions			Doctorate-granting institutions			Master's-granting institutions		
	Original total	Revised total	Percent change	Original total	Revised total	Percent change	Original total	Revised total	Percent change
	Total graduate enrollment in surveyed fields								
1975[1]	336,843	328,550	-2.5	290,662	297,400	2.3	46,181	31,150	-32.5
1976	345,979	333,755	-3.5	297,280	301,688	1.5	48,699	32,067	-34.2
1977	362,978	345,416	-4.8	306,710	310,269	1.2	56,268	35,147	-37.5
1978[2]	na	339,912	na	311,982	303,275	-2.8	na	36,637	na
1979	375,267	357,609	-4.7	321,770	319,564	-.7	53,497	38,045	-28.9
1980	383,210	367,111	-4.2	333,658	329,168	-1.3	49,552	37,943	-23.4
1981	392,034	375,158	-4.3	340,203	335,870	-1.3	51,831	39,288	-24.2
1982	399,682	382,334	-4.3	347,414	342,064	-1.5	52,268	40,270	-23.0
1983	413,564	390,474	-5.6	358,276	349,158	-2.5	55,288	41,316	-25.3
1984[3]	415,064	394,670	-4.9	363,470	350,446	-3.6	51,594	44,224	-14.3
1985[3]	434,836	404,021	-7.1	371,052	359,800	-3.0	63,784	44,221	-30.7
1986[3]	446,102	415,520	-6.9	384,203	370,398	-3.6	61,899	45,122	-27.1
1987[3]	449,585	421,497	-6.2	388,681	376,059	-3.2	60,904	45,438	-25.4
1988	445,595	424,592	-4.7	391,683	382,724	-2.3	53,912	41,868	-22.3
1989	440,983	434,552	-1.5	385,025	390,387	1.4	55,958	44,165	-21.1
1990	458,943	452,171	-1.5	398,405	404,402	1.5	60,538	47,769	-21.1
1991	475,691	471,284	-.9	411,296	419,993	2.1	64,395	51,291	-20.3
1992	495,397	493,624	-.4	427,792	439,470	2.7	67,605	54,154	-19.9
1993	506,678	504,409	-.4	440,875	448,031	1.6	65,803	56,378	-14.3
1994	506,626	504,516	-.4	441,480	448,679	1.6	65,146	55,837	-14.3
1995	501,510	499,750	-.4	436,328	443,058	1.5	65,182	56,692	-13.0
1996	494,526	494,195	-.1	430,631	437,590	1.6	63,895	56,605	-11.4
1997	487,104	487,316	.0	424,650	430,875	1.5	62,4[illegible]4	56,441	-9.6
1998	485,754	485,760	.0	422,834	428,156	1.3	62,920	57,604	-8.4
1999	493,425	493,410	.0	432,657	434,300	.4	60,768	59,110	-2.7
2000	494,594	na	na	435,612	na	na	58,982	na	na
	Full-time								
1975[1]	228,316	219,687	-3.8	210,641	208,283	-1.1	17,675	11,404	-35.5
1976	233,748	223,446	-4.4	215,355	212,045	-1.5	18,393	11,401	-38.0
1977	238,202	226,776	-4.8	218,226	214,505	-1.7	19,976	12,271	-38.6
1978[2]	na	223,030	na	217,588	210,265	-3.4	na	12,765	na
1979	243,331	231,790	-4.7	224,057	218,548	-2.5	19,274	13,242	-31.3
1980	249,111	238,448	-4.3	230,601	224,663	-2.6	18,510	13,785	-25.5
1981	253,428	242,076	-4.5	234,529	228,491	-2.6	18,899	13,585	-28.1
1982	255,959	244,796	-4.4	237,676	231,541	-2.6	18,283	13,255	-27.5
1983	263,800	252,055	-4.5	243,646	237,562	-2.5	20,154	14,493	-28.1
1984[3]	264,146	253,922	-3.9	246,848	238,206	-3.5	17,298	15,716	-9.1
1985[3]	269,319	257,287	-4.5	249,666	241,756	-3.2	19,653	15,531	-21.0
1986[3]	279,235	266,168	-4.7	259,980	250,437	-3.7	19,255	15,731	-18.3
1987[3]	285,200	271,056	-5.0	264,862	255,043	-3.7	20,338	16,013	-21.3
1988	288,619	275,185	-4.7	268,385	260,856	-2.8	20,234	14,329	-29.2
1989	286,619	282,711	-1.4	267,554	268,066	.2	19,065	14,645	-23.2
1990	295,836	292,823	-1.0	275,262	276,847	.6	20,574	15,976	-22.3
1991	308,669	307,055	-.5	286,756	289,479	.9	21,913	17,576	-19.8
1992	323,399	322,609	-.2	299,753	303,786	1.3	23,646	18,823	-20.4
1993	330,249	329,701	-.2	307,181	309,940	.9	23,068	19,761	-14.3
1994	331,969	332,149	.1	307,964	311,583	1.2	24,005	20,568	-14.3
1995	330,235	329,356	-.3	305,652	308,052	.8	24,583	21,304	-13.3
1996	328,368	328,628	.1	303,586	306,851	1.1	24,782	21,777	-12.1
1997	326,842	327,385	.2	301,573	304,696	1.0	25,269	22,689	-10.2
1998	327,609	327,522	.0	301,544	303,777	.7	26,065	23,745	-8.9
1999	334,405	334,421	.0	309,466	310,174	.2	24,939	24,247	-2.8
2000	342,121	na	na	316,531	na	na	25,590	na	na

See explanatory information, if any, and SOURCE at end of table

Technical Table 8. Comparison of graduate enrollment data as originally published and as modified through the fall 2000 graduate student survey cycle: 1975-2000

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Year	Total, all institutions			Doctorate-granting institutions			Master's-granting institutions		
	Original total	Revised total	Percent change	Original total	Revised total	Percent change	Original total	Revised total	Percent change
	Part-time								
1975[1]	108,527	108,863	0.3	80,021	89,117	11.4	28,506	19,746	-30.7
1976	112,231	110,309	-1.7	81,925	89,643	9.4	30,306	20,666	-31.8
1977	124,776	118,640	-4.9	88,484	95,764	8.2	36,292	22,876	-37.0
1978[2]	na	116,882	na	94,394	93,010	-1.5	na	23,872	na
1979	131,936	125,819	-4.6	97,713	101,016	3.4	34,223	24,803	-27.5
1980	134,099	128,663	-4.1	103,057	104,505	1.4	31,042	24,158	-22.2
1981	138,606	133,082	-4.0	105,674	107,379	1.6	32,932	25,703	-22.0
1982	143,723	137,538	-4.3	109,738	110,523	.7	33,985	27,015	-20.5
1983	149,764	138,419	-7.6	114,630	111,596	-2.6	35,134	26,823	-23.7
1984[3]	150,918	140,748	-6.7	116,622	112,240	-3.8	34,296	28,508	-16.9
1985[3]	165,517	146,734	-11.3	121,386	118,044	-2.8	44,131	28,690	-35.0
1986[3]	166,867	149,352	-10.5	124,223	119,961	-3.4	42,644	29,391	-31.1
1987[3]	164,385	150,441	-8.5	123,819	121,016	-2.3	40,566	29,425	-27.5
1988	156,976	149,407	-4.8	123,298	121,868	-1.2	33,678	27,539	-18.2
1989	154,364	151,841	-1.6	117,471	122,321	4.1	36,893	29,520	-20.0
1990	163,107	159,348	-2.3	123,143	127,555	3.6	39,964	31,793	-20.4
1991	167,022	164,229	-1.7	124,540	130,514	4.8	42,482	33,715	-20.6
1992	171,998	171,015	-.6	128,039	135,684	6.0	43,959	35,331	-19.6
1993	176,429	174,708	-1.0	133,694	138,091	3.3	42,735	36,617	-14.3
1994	174,657	172,367	-1.3	133,516	137,096	2.7	41,141	35,271	-14.3
1995	171,275	170,394	-.5	130,676	135,006	3.3	40,599	35,388	-12.8
1996	166,158	165,567	-.4	127,045	130,739	2.9	39,113	34,828	-11.0
1997	160,262	159,931	-.2	123,077	126,179	2.5	37,185	33,752	-9.2
1998	158,145	158,238	.1	121,290	124,379	2.5	36,855	33,859	-8.1
1999	159,020	158,989	.0	123,191	124,126	.8	35,829	34,863	-2.7
2000	152,473	na	na	119,081	na	na	33,392	na	na

[1] The 1976 survey also collected 1975 data from master's-granting institutions.

[2] Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

[3] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

NOTE: The percent change column is presented as a measure of retroactive changes in survey definitions. Three survey changes in the late 1980s and early 1990s had a retroactive effect on figures reported for earlier years. First, degree-granting status (doctorate or master's) used to be determined by an institution's status each year. Beginning in 1992, degree-granting status was determined by the status reported in the latest survey year. This change shifted numerous institutions (and students) from master's-granting to doctorate-granting categories for years before 1992. Second, in 1988 guidelines to determine S&E departments were tightened. This change meant retroactively dropping departments in fields like educational psychology, social work, and cultural studies from the survey population. Third, improved estimates were generated for years in which enrollments at master's-granting institutions were sampled (1984-87).

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

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Table 1. Total enrollment in all institutions of higher education, by level of enrollment, broad field, and location, by selected years: 1975-2000

Year	Total	Under-graduate enrollment	Graduate enrollment						First professional enrollment
			Total, all fields	Sciences	Engineering	Health fields	All other fields		
	Total, all U.S. institutions								
1975	11,289,129	9,777,634	1,267,537	234,649	68,332	25,569	938,987		243,958
1980	12,234,644	10,603,579	1,351,268	251,239	74,335	41,537	984,157		279,797
1985[1]	12,411,945	10,749,752	1,384,862	261,950	96,018	46,053	980,841		277,331
1990	13,983,255	12,110,847	1,596,037	289,347	107,658	55,166	1,143,866		276,371
1991	14,527,724	12,595,335	1,648,952	299,012	113,535	58,737	1,177,668		283,437
1992	14,657,118	12,693,778	1,679,644	312,442	118,039	63,143	1,186,020		283,696
1993	14,477,792	12,482,813	1,699,292	318,831	116,872	68,706	1,194,883		295,687
1994	14,449,476	12,417,701	1,734,371	318,090	113,024	73,402	1,229,855		297,404
1995	14,445,438	12,399,826	1,745,130	315,237	107,201	77,312	1,245,380		300,482
1996	14,550,056	12,492,977	1,755,635	311,924	103,224	79,047	1,261,440		301,444
1997	14,680,488	12,612,475	1,766,705	306,449	101,148	79,719	1,279,389		301,308
1998	14,711,280	12,624,375	1,781,327	304,771	100,038	80,951	1,295,567		305,578
1999	na	na	na	309,566	101,691	82,153	na		na
2000	na	na	na	309,969	104,601	80,024	na		na
	Subtotal, 50 States and DC								
1975	11,184,859	9,679,455	1,263,137	233,774	68,278	25,223	935,862		242,267
1980	12,096,895	10,475,055	1,344,073	249,741	74,287	41,201	978,844		277,767
1985[1]	12,247,055	10,596,674	1,376,181	260,052	95,916	45,501	974,712		274,200
1990	13,818,637	11,959,106	1,586,165	287,677	107,549	54,570	1,136,369		273,366
1991	14,358,953	12,439,287	1,639,135	297,207	113,367	58,108	1,170,453		280,531
1992	14,487,359	12,537,700	1,668,737	310,628	117,829	62,407	1,177,873		280,922
1993	14,304,803	12,323,959	1,688,413	316,971	116,659	67,967	1,186,816		292,431
1994	14,278,790	12,262,608	1,721,469	316,206	112,827	72,628	1,219,808		294,713
1995	14,261,781	12,231,719	1,732,470	313,213	106,984	76,418	1,235,855		297,592
1996	14,367,520	12,326,948	1,742,260	309,915	102,970	78,231	1,251,144		298,312
1997	14,502,334	12,450,587	1,753,489	304,409	100,865	79,135	1,269,080		298,258
1998	14,530,036	12,460,006	1,767,557	302,497	99,771	80,373	1,284,916		302,473
1999	na	na	na	307,130	101,444	81,370	na		na
2000	na	na	na	307,217	104,322	79,040	na		na
	Outlying areas								
1975	104,270	98,179	4,400	875	54	346	3,125		1,691
1980	137,749	128,524	7,195	1,498	48	336	5,313		2,030
1985[1]	164,890	153,078	8,681	1,898	102	552	6,129		3,131
1990	164,618	151,741	9,872	1,670	109	596	7,497		3,005
1991	168,771	156,048	9,817	1,805	168	629	7,215		2,906
1992	169,759	156,078	10,907	1,814	210	736	8,147		2,774
1993	172,989	158,854	10,879	1,860	213	739	8,067		3,256
1994	170,686	155,093	12,902	1,884	197	774	10,047		2,691
1995	183,657	168,107	12,660	2,024	217	894	9,525		2,890
1996	182,536	166,029	13,375	2,009	254	816	10,296		3,132
1997	178,154	161,888	13,216	2,040	283	584	10,309		3,050
1998	181,244	164,369	13,770	2,274	267	578	10,651		3,105
1999	na	na	na	2,436	247	783	na		na
2000	na	na	na	2,752	279	984	na		na

[1] National Science Foundation figures for 1985 include estimates for master's-granting institutions.

KEY: na = Not available

SOURCES: U.S. Department of Education/National Center for Education Statistics, Survey of Opening Fall Enrollment, and National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 2. Graduate students in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences								
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975	302,981	234,649	26,310	12,079	16,892	8,415	10,641	46,348	36,191	77,773
1976	305,398	238,675	26,641	12,809	17,071	8,627	11,219	47,661	37,458	77,189
1977	311,689	242,932	26,864	13,446	16,052	9,108	11,605	49,182	38,617	78,058
1978[1]	304,245	236,458	26,282	13,268	14,812	9,847	11,779	47,867	37,522	75,081
1979	319,030	247,222	26,701	13,731	15,031	11,690	12,160	48,137	39,766	80,006
1980	325,574	251,239	26,934	14,051	15,311	13,578	12,429	47,521	40,610	80,805
1981	331,964	252,379	27,360	14,263	15,881	16,437	12,325	46,562	40,666	78,885
1982	338,849	255,129	28,188	15,018	17,157	19,812	12,550	45,903	40,073	76,428
1983	346,952	255,806	29,463	15,443	17,358	23,333	12,402	45,579	40,905	71,323
1984[2]	349,617	256,878	30,061	15,500	17,443	25,526	12,199	45,682	40,931	69,536
1985[2]	357,968	261,950	30,987	15,414	17,563	29,769	11,534	46,021	40,721	69,941
1986[2]	367,964	266,059	32,259	15,053	17,949	31,349	11,427	46,646	41,241	70,135
1987[2]	373,199	269,216	32,741	14,357	18,506	32,051	11,088	46,620	42,612	71,239
1988	375,128	272,274	32,975	13,854	19,077	32,227	11,110	47,437	43,963	71,631
1989	382,603	278,538	33,629	13,630	19,247	32,482	11,168	48,723	45,528	74,131
1990	397,005	289,347	34,082	13,977	19,774	34,257	11,283	49,866	48,167	77,941
1991	412,547	299,012	34,724	14,466	19,952	34,681	11,476	51,635	51,343	80,735
1992	430,481	312,442	35,357	15,324	20,355	36,325	11,805	54,026	53,484	85,766
1993	435,703	318,831	35,328	15,721	20,000	36,213	11,950	56,292	54,557	88,770
1994	431,114	318,090	34,466	15,957	19,573	34,158	12,242	58,033	54,554	89,107
1995	422,438	315,237	33,399	15,716	18,504	33,458	12,422	58,680	53,641	89,417
1996	415,148	311,924	32,333	15,183	18,008	34,626	11,974	58,060	53,122	88,618
1997	407,597	306,449	31,105	14,548	16,719	35,991	11,852	57,044	53,126	86,064
1998	404,809	304,771	30,575	14,258	16,485	38,027	11,844	56,994	52,557	84,031
1999	411,257	309,566	30,691	14,083	16,257	42,560	11,988	57,115	51,864	85,008
2000	414,570	309,969	30,463	13,940	15,646	47,594	11,684	56,494	50,689	83,459

Year	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975	68,332	1,670	5,095	12,560	16,320	11,663	8,601	2,376	10,047	25,569
1976	66,723	1,477	5,271	11,995	15,926	10,687	8,313	2,398	10,656	28,357
1977	68,757	1,518	5,273	12,335	17,406	10,438	8,722	2,585	10,480	33,727
1978[1]	67,787	1,463	5,431	12,358	17,127	9,494	8,638	2,592	10,684	35,667
1979	71,808	1,481	5,685	12,822	17,715	10,729	9,251	2,778	11,347	38,579
1980	74,335	1,737	6,038	13,097	19,132	9,698	9,888	2,934	11,811	41,537
1981	79,585	1,883	6,526	14,089	20,113	9,737	10,618	3,152	13,467	43,194
1982	83,720	1,941	7,222	14,122	21,927	9,577	11,467	3,154	14,310	43,485
1983	91,146	2,305	7,590	14,910	25,295	9,247	12,911	3,477	15,411	43,522
1984[2]	92,739	2,340	7,400	15,192	26,388	9,282	13,855	3,673	14,609	45,053
1985[2]	96,018	2,538	7,177	14,902	28,203	10,525	14,157	3,959	14,557	46,053
1986[2]	101,905	2,804	7,043	14,976	29,969	11,569	15,713	4,236	15,595	47,556
1987[2]	103,983	3,015	7,141	14,682	31,399	12,353	16,366	4,397	14,630	48,298
1988	102,854	3,223	6,643	14,811	32,035	11,575	16,151	4,381	14,035	49,464
1989	104,065	3,524	6,482	14,909	33,257	11,333	16,265	4,635	13,660	51,949
1990	107,658	3,934	6,768	15,542	33,722	11,555	16,879	4,983	14,275	55,166
1991	113,535	4,120	7,157	17,398	35,111	12,996	17,730	5,203	13,820	58,737
1992	118,039	4,036	7,433	19,572	36,428	13,826	18,637	5,550	12,557	63,143
1993	116,872	3,940	7,554	19,583	35,290	13,905	18,477	5,410	12,713	68,706
1994	113,024	3,715	7,639	19,925	33,020	13,992	17,761	5,228	11,744	73,402
1995	107,201	3,343	7,452	19,218	30,721	13,475	16,363	4,956	11,673	77,312
1996	103,224	3,208	7,408	18,528	29,702	12,675	15,509	4,747	11,447	79,047
1997	101,148	3,083	7,288	17,193	30,548	11,957	15,045	4,688	11,346	79,719
1998	100,038	3,137	7,093	16,517	31,129	11,221	14,696	4,680	11,565	80,951
1999	101,691	3,349	6,883	16,226	31,382	11,803	14,956	4,481	12,611	82,153
2000	104,601	3,407	7,093	16,456	33,308	12,253	15,457	4,377	12,250	80,024

[1] Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

[2] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 3. Male graduate students in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences								
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975	na	na	na	na	na	na	na	na	na	na
1976	na	na	na	na	na	na	na	na	na	na
1977	233,775	168,724	22,823	11,169	11,933	7,549	9,504	32,468	20,518	52,760
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	229,763	163,842	22,206	10,846	11,009	9,367	9,506	30,269	19,424	51,215
1980	231,203	163,208	22,338	10,844	11,247	10,491	9,572	29,245	19,027	50,444
1981	232,140	160,302	22,349	10,847	11,400	12,228	9,504	27,939	17,900	48,135
1982	235,296	160,353	22,769	11,295	12,079	14,366	9,467	26,753	16,976	46,648
1983	240,459	159,122	23,580	11,548	12,158	16,719	9,265	26,254	16,648	42,950
1984[2]	242,110	159,670	23,902	11,628	12,275	18,653	9,063	26,204	16,180	41,765
1985[2]	247,368	162,433	24,478	11,489	12,209	22,208	8,546	26,155	15,597	41,751
1986[2]	253,605	164,073	25,395	11,108	12,470	23,497	8,482	26,214	15,377	41,530
1987[2]	256,058	165,046	25,624	10,581	12,912	24,036	8,144	26,226	15,683	41,840
1988	253,912	164,186	25,473	10,054	13,301	24,033	8,017	26,218	15,502	41,588
1989	256,754	166,297	25,824	9,776	13,262	24,494	8,031	26,528	15,673	42,709
1990	263,304	170,325	26,012	9,860	13,575	26,058	7,955	26,860	15,822	44,183
1991	271,744	173,907	26,156	10,015	13,654	26,391	7,912	27,544	16,556	45,679
1992	280,290	179,471	26,508	10,478	13,806	27,854	8,033	28,599	16,650	47,543
1993	279,178	179,994	26,122	10,695	13,362	27,782	7,837	29,295	16,567	48,334
1994	272,021	177,047	25,299	10,638	13,042	26,071	7,927	29,896	16,416	47,758
1995	262,248	173,060	24,314	10,282	12,246	25,325	7,963	29,829	15,877	47,224
1996	253,499	168,529	23,288	9,736	11,789	25,829	7,525	29,289	15,375	45,698
1997	245,608	163,180	22,257	9,132	10,851	26,110	7,291	28,427	15,507	43,605
1998	241,406	160,356	21,822	8,690	10,497	27,225	7,125	27,915	15,095	41,987
1999	242,832	161,028	21,776	8,358	10,214	29,990	7,078	27,442	14,494	41,676
2000	243,837	159,996	21,335	8,189	9,865	33,431	6,753	26,576	13,670	40,177

Year	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975	na	na	na	na	na	na	na	na	na	na
1976	na	na	na	na	na	na	na	na	na	na
1977	65,051	1,485	4,893	11,507	16,696	9,683	8,449	2,401	9,937	11,152
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	65,921	1,432	5,060	11,503	16,782	9,473	8,782	2,489	10,400	11,077
1980	67,995	1,663	5,358	11,732	18,149	8,343	9,354	2,629	10,767	11,757
1981	71,838	1,816	5,747	12,515	18,637	8,194	9,987	2,758	11,984	11,420
1982	74,943	1,831	6,319	12,373	20,376	7,958	10,748	2,729	12,609	11,002
1983	81,337	2,182	6,572	13,051	23,227	7,729	12,106	3,025	13,445	10,469
1984[2]	82,440	2,208	6,426	13,165	24,175	7,674	12,899	3,201	12,692	10,543
1985[2]	84,935	2,375	6,170	12,755	25,768	8,743	13,146	3,352	12,626	10,848
1986[2]	89,532	2,604	5,996	12,829	27,061	9,472	14,554	3,552	13,464	11,128
1987[2]	91,012	2,791	5,979	12,579	28,301	10,085	15,070	3,659	12,548	11,883
1988	89,726	2,996	5,564	12,517	28,757	9,449	14,749	3,618	12,076	11,493
1989	90,457	3,281	5,445	12,474	29,742	9,180	14,867	3,820	11,648	11,974
1990	92,979	3,645	5,615	12,853	30,007	9,367	15,437	4,085	11,970	12,371
1991	97,837	3,793	5,897	14,296	31,260	10,594	16,219	4,208	11,570	13,153
1992	100,819	3,688	6,036	15,918	32,151	11,118	16,939	4,476	10,493	13,935
1993	99,184	3,583	6,050	15,725	30,977	11,260	16,703	4,373	10,513	15,303
1994	94,974	3,357	6,110	15,714	28,918	11,135	15,938	4,145	9,657	16,339
1995	89,188	2,992	5,885	14,986	26,633	10,652	14,686	3,882	9,472	17,063
1996	84,970	2,856	5,757	14,228	25,580	9,906	13,873	3,670	9,100	18,166
1997	82,428	2,712	5,568	13,029	26,110	9,301	13,266	3,571	8,871	18,893
1998	81,050	2,755	5,366	12,415	26,382	8,769	12,934	3,550	8,879	19,617
1999	81,804	2,926	5,150	12,069	26,409	9,144	13,168	3,397	9,541	19,928
2000	83,841	2,936	5,212	12,182	27,959	9,519	13,604	3,336	9,091	19,177

[1] Master's-granting institutions were not surveyed in 1978.

[2] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 4. Female graduate students in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences								
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975	na	na	na	na	na	na	na	na	na	na
1976	na	na	na	na	na	na	na	na	na	na
1977	77,914	74,208	4,041	2,277	4,119	1,559	2,101	16,714	18,099	25,298
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	89,267	83,380	4,495	2,885	4,022	2,323	2,654	17,868	20,342	28,791
1980	94,371	88,031	4,596	3,207	4,064	3,087	2,857	18,276	21,583	30,361
1981	99,824	92,077	5,011	3,416	4,481	4,209	2,821	18,623	22,766	30,750
1982	103,553	94,776	5,419	3,723	5,078	5,446	3,083	19,150	23,097	29,780
1983	106,493	96,684	5,883	3,895	5,200	6,614	3,137	19,325	24,257	28,373
1984[2]	107,507	97,208	6,159	3,872	5,168	6,873	3,136	19,478	24,751	27,771
1985[2]	110,600	99,517	6,509	3,925	5,354	7,561	2,988	19,866	25,124	28,190
1986[2]	114,359	101,986	6,864	3,945	5,479	7,852	2,945	20,432	25,864	28,605
1987[2]	117,141	104,170	7,117	3,776	5,596	8,015	2,944	20,394	26,929	29,399
1988	121,216	108,088	7,502	3,800	5,776	8,194	3,093	21,219	28,461	30,043
1989	125,849	112,241	7,805	3,854	5,985	7,988	3,137	22,195	29,855	31,422
1990	133,701	119,022	8,070	4,117	6,199	8,199	3,328	23,006	32,345	33,758
1991	140,803	125,105	8,568	4,451	6,298	8,290	3,564	24,091	34,787	35,056
1992	150,191	132,971	8,849	4,846	6,549	8,471	3,772	25,427	36,834	38,223
1993	156,525	138,837	9,206	5,026	6,638	8,431	4,113	26,997	37,990	40,436
1994	159,093	141,043	9,167	5,319	6,531	8,087	4,315	28,137	38,138	41,349
1995	160,190	142,177	9,085	5,434	6,258	8,133	4,459	28,851	37,764	42,193
1996	161,649	143,395	9,045	5,447	6,219	8,797	4,449	28,771	37,747	42,920
1997	161,989	143,269	8,848	5,416	5,868	9,881	4,561	28,617	37,619	42,459
1998	163,403	144,415	8,753	5,568	5,988	10,802	4,719	29,079	37,462	42,044
1999	168,425	148,538	8,915	5,725	6,043	12,570	4,910	29,673	37,370	43,332
2000	170,733	149,973	9,128	5,751	5,781	14,163	4,931	29,918	37,019	43,282

	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975	na	na	na	na	na	na	na	na	na	na
1976	na	na	na	na	na	na	na	na	na	na
1977	3,706	33	380	828	710	755	273	184	543	22,575
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	5,887	49	625	1,319	933	1,256	469	289	947	27,502
1980	6,340	74	680	1,365	983	1,355	534	305	1,044	29,780
1981	7,747	67	779	1,574	1,276	1,543	631	394	1,483	31,774
1982	8,777	110	903	1,749	1,551	1,619	719	425	1,701	32,483
1983	9,809	123	1,018	1,859	2,068	1,518	805	452	1,966	33,053
1984[2]	10,299	132	974	2,027	2,213	1,608	956	472	1,917	34,510
1985[2]	11,083	163	1,007	2,147	2,435	1,782	1,011	607	1,931	35,205
1986[2]	12,373	200	1,047	2,147	2,908	2,097	1,159	684	2,131	36,428
1987[2]	12,971	224	1,162	2,103	3,098	2,268	1,296	738	2,082	36,415
1988	13,128	227	1,079	2,294	3,278	2,126	1,402	763	1,959	37,971
1989	13,608	243	1,037	2,435	3,515	2,153	1,398	815	2,012	39,975
1990	14,679	289	1,153	2,689	3,715	2,188	1,442	898	2,305	42,795
1991	15,698	327	1,260	3,102	3,851	2,402	1,511	995	2,250	45,584
1992	17,220	348	1,397	3,654	4,277	2,708	1,698	1,074	2,064	49,208
1993	17,688	357	1,504	3,858	4,313	2,645	1,774	1,037	2,200	53,403
1994	18,050	358	1,529	4,211	4,102	2,857	1,823	1,083	2,087	57,063
1995	18,013	351	1,567	4,232	4,088	2,823	1,677	1,074	2,201	60,249
1996	18,254	352	1,651	4,300	4,122	2,769	1,636	1,077	2,347	60,881
1997	18,720	371	1,720	4,164	4,438	2,656	1,779	1,117	2,475	60,826
1998	18,988	382	1,727	4,102	4,747	2,452	1,762	1,130	2,686	61,334
1999	19,887	423	1,733	4,157	4,973	2,659	1,788	1,084	3,070	62,225
2000	20,760	469	1,881	4,274	5,349	2,734	1,853	1,041	3,159	60,847

[1] Master's-granting institutions were not surveyed in 1978.

[2] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 5. Full-time graduate students in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences									
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975	202,260	164,437	21,916	9,557	10,694	4,473	8,828	36,834	24,105	48,030
1976	204,815	167,867	22,261	10,082	10,952	4,748	9,370	37,859	25,643	46,952
1977	206,411	169,184	22,514	10,415	10,365	4,604	9,640	38,374	25,703	47,569
1978[1]	201,735	164,149	22,143	10,361	9,769	4,930	9,646	37,741	24,754	44,805
1979	208,996	168,955	22,541	10,619	9,667	5,853	9,878	37,948	25,848	46,601
1980	214,401	171,751	22,917	10,871	9,901	6,587	10,145	37,626	26,671	47,033
1981	217,943	172,191	23,310	10,931	10,152	7,445	10,285	37,217	26,570	46,281
1982	221,866	172,082	24,040	11,317	10,813	9,171	10,107	36,633	25,667	44,334
1983	229,399	175,467	25,211	11,961	10,955	10,600	9,952	36,683	26,561	43,544
1984[2]	230,946	175,755	25,854	11,732	11,309	11,436	9,884	37,045	25,969	42,526
1985[2]	233,930	178,012	26,672	11,331	11,816	13,861	9,228	36,939	25,335	42,830
1986[2]	242,724	182,527	27,770	11,241	12,388	15,020	9,310	37,721	26,255	42,822
1987[2]	247,097	185,135	28,423	10,424	13,043	15,336	9,064	38,137	27,256	43,452
1988	250,554	187,522	28,585	10,181	13,512	15,133	9,097	39,115	28,118	43,781
1989	256,813	192,417	29,216	10,012	13,681	15,606	9,049	40,263	29,348	45,242
1990	265,316	199,306	29,490	10,239	13,865	16,689	9,067	40,869	30,618	48,469
1991	277,065	206,031	30,126	10,364	14,256	16,546	9,259	42,598	32,258	50,624
1992	290,403	215,960	30,681	10,976	14,679	17,505	9,418	44,294	34,162	54,245
1993	293,902	220,094	30,616	11,346	14,530	17,401	9,446	46,367	34,782	55,606
1994	292,975	221,405	30,049	11,446	14,226	16,701	9,479	47,961	35,288	56,255
1995	287,164	219,382	28,879	11,259	13,410	16,510	9,605	48,285	35,222	56,212
1996	284,033	218,174	27,931	10,795	12,966	17,195	9,297	47,684	35,412	56,894
1997	280,664	214,976	26,882	10,510	12,144	18,335	9,096	46,923	35,551	55,535
1998	278,941	213,506	26,391	10,444	11,751	19,972	8,986	46,992	35,148	53,822
1999	283,911	215,888	26,635	10,484	11,796	22,708	9,156	47,107	34,705	53,297
2000	292,026	219,421	26,552	10,559	11,732	26,644	9,113	47,026	35,066	52,729

Year	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975	37,823	1,245	3,576	7,363	8,278	4,152	4,931	1,808	6,470	17,427
1976	36,948	1,165	3,757	7,025	8,147	3,578	4,919	1,879	6,478	18,631
1977	37,227	1,187	3,944	7,094	8,528	3,343	4,883	1,976	6,272	20,365
1978[1]	37,586	1,140	4,019	7,335	8,509	3,249	4,950	1,995	6,389	21,295
1979	40,041	1,152	4,292	7,623	9,039	3,743	5,428	2,157	6,607	22,794
1980	42,650	1,327	4,513	7,958	9,963	3,736	5,841	2,274	7,038	24,047
1981	45,752	1,483	5,016	8,799	10,450	3,603	6,422	2,478	7,501	24,133
1982	49,784	1,522	5,637	9,381	11,533	3,807	7,267	2,505	8,132	22,930
1983	53,932	1,840	5,893	9,804	13,265	3,288	8,330	2,731	8,781	22,656
1984[2]	55,191	1,854	5,758	10,086	13,925	3,393	8,698	2,888	8,589	22,976
1985[2]	55,918	1,994	5,568	9,749	14,799	3,456	8,875	3,109	8,368	23,357
1986[2]	60,197	2,154	5,625	9,971	16,290	3,810	9,789	3,398	9,160	23,444
1987[2]	61,962	2,372	5,704	9,628	17,101	4,165	10,230	3,467	9,295	23,959
1988	63,032	2,533	5,384	9,946	17,706	4,313	10,416	3,509	9,225	24,631
1989	64,396	2,772	5,303	9,964	18,466	4,684	10,492	3,760	8,955	25,898
1990	66,010	3,010	5,476	10,128	18,675	4,806	10,867	3,969	9,079	27,507
1991	71,034	3,325	5,818	11,328	19,874	5,639	11,687	4,094	9,269	29,990
1992	74,443	3,306	5,982	12,454	20,977	6,113	12,383	4,309	8,919	32,206
1993	73,808	3,262	6,079	12,458	20,343	5,950	12,395	4,294	9,027	35,799
1994	71,570	3,000	6,136	12,641	19,385	5,960	11,875	4,143	8,430	39,174
1995	67,782	2,693	5,985	12,248	18,167	5,389	11,128	3,912	8,260	42,192
1996	65,859	2,576	5,939	11,791	17,967	5,166	10,690	3,724	8,006	44,595
1997	65,688	2,529	5,821	11,406	18,854	5,116	10,432	3,694	7,836	46,721
1998	65,435	2,565	5,630	11,154	19,470	4,894	10,073	3,736	7,913	48,581
1999	68,023	2,645	5,593	11,237	20,219	5,500	10,331	3,563	8,935	50,510
2000	72,605	2,759	5,865	11,765	22,821	6,089	10,929	3,601	8,776	50,095

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[1] Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

[2] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 6. Male full-time graduate students in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences								
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975	na	na	na	na	na	na	na	na	na	na
1976	156,134	121,218	19,212	8,450	8,476	4,006	7,886	26,148	14,591	32,449
1977	154,365	119,401	19,300	8,634	8,083	3,845	7,838	25,833	13,949	31,919
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	151,945	115,345	19,048	8,400	7,497	4,803	7,682	24,444	13,277	30,194
1980	153,098	114,303	19,214	8,388	7,595	5,184	7,756	23,764	12,779	29,623
1981	154,032	112,894	19,307	8,360	7,612	5,718	7,858	23,146	12,007	28,886
1982	156,368	111,833	19,643	8,530	8,022	6,860	7,565	22,108	11,223	27,882
1983	161,504	113,193	20,374	8,992	8,037	7,961	7,426	21,928	11,361	27,114
1984[2]	162,366	113,224	20,756	8,875	8,328	8,693	7,306	21,979	10,714	26,573
1985[2]	164,162	114,528	21,243	8,498	8,614	10,806	6,834	21,762	10,232	26,539
1986[2]	169,811	116,592	22,029	8,329	8,984	11,703	6,932	21,934	10,263	26,418
1987[2]	172,075	117,404	22,393	7,750	9,481	12,005	6,694	22,036	10,422	26,623
1988	172,278	116,869	22,214	7,438	9,794	11,795	6,619	22,343	10,199	26,467
1989	175,045	118,793	22,552	7,263	9,746	12,355	6,544	22,678	10,467	27,188
1990	178,642	121,337	22,668	7,313	9,821	13,218	6,428	22,739	10,642	28,508
1991	185,017	123,661	22,852	7,190	10,035	13,057	6,397	23,427	10,957	29,746
1992	191,721	127,939	23,176	7,585	10,250	13,949	6,421	24,164	11,171	31,223
1993	190,785	128,174	22,891	7,799	10,096	13,811	6,261	24,846	11,189	31,281
1994	186,622	126,630	22,281	7,659	9,810	13,152	6,151	25,444	11,131	31,002
1995	179,769	123,489	21,222	7,379	9,213	12,860	6,142	25,256	10,903	30,514
1996	174,688	120,656	20,395	6,941	8,797	13,102	5,839	24,686	10,775	30,121
1997	170,166	116,986	19,454	6,650	8,171	13,536	5,584	23,969	10,833	28,789
1998	167,319	114,711	19,034	6,374	7,797	14,520	5,385	23,609	10,509	27,483
1999	169,061	114,561	19,065	6,171	7,662	16,327	5,362	23,200	10,082	26,692
2000	173,278	115,550	18,791	6,121	7,661	19,158	5,168	22,740	9,891	26,020

Year	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975	na	na	na	na	na	na	na	na	na	na
1976	34,916	1,142	3,516	6,512	7,850	3,199	4,797	1,769	6,131	7,538
1977	34,964	1,160	3,660	6,553	8,146	2,967	4,742	1,833	5,903	7,523
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	36,600	1,116	3,852	6,729	8,585	3,164	5,170	1,943	6,041	7,631
1980	38,795	1,273	4,047	7,059	9,405	3,071	5,525	2,041	6,374	7,765
1981	41,138	1,432	4,482	7,673	9,739	2,915	6,075	2,187	6,635	7,446
1982	44,535	1,449	4,963	8,140	10,715	3,042	6,834	2,192	7,200	6,905
1983	48,311	1,760	5,122	8,509	12,302	2,673	7,847	2,403	7,695	6,711
1984[2]	49,142	1,768	5,024	8,648	12,775	2,769	8,137	2,530	7,491	6,708
1985[2]	49,634	1,868	4,811	8,257	13,591	2,821	8,316	2,666	7,304	6,783
1986[2]	53,219	2,006	4,829	8,484	14,823	3,076	9,162	2,868	7,971	6,765
1987[2]	54,671	2,205	4,822	8,230	15,552	3,430	9,498	2,889	8,045	7,355
1988	55,409	2,365	4,588	8,381	16,024	3,572	9,581	2,923	7,975	7,292
1989	56,252	2,592	4,499	8,315	16,644	3,772	9,637	3,116	7,677	7,743
1990	57,305	2,811	4,573	8,347	16,719	3,893	10,019	3,273	7,670	8,079
1991	61,356	3,071	4,830	9,309	17,717	4,591	10,745	3,345	7,748	8,522
1992	63,782	3,043	4,882	10,126	18,557	4,931	11,297	3,497	7,449	9,098
1993	62,611	2,971	4,908	9,934	17,906	4,770	11,210	3,482	7,430	9,997
1994	59,992	2,722	4,940	9,855	16,996	4,651	10,658	3,289	6,881	10,807
1995	56,280	2,417	4,756	9,431	15,727	4,229	9,993	3,082	6,645	11,433
1996	54,032	2,293	4,615	8,937	15,427	4,069	9,500	2,893	6,298	12,432
1997	53,180	2,226	4,451	8,495	16,043	4,009	9,143	2,819	5,994	13,230
1998	52,608	2,251	4,233	8,213	16,416	3,810	8,840	2,829	6,016	13,678
1999	54,500	2,320	4,197	8,192	16,962	4,364	9,069	2,715	6,681	13,875
2000	57,728	2,385	4,316	8,457	19,067	4,746	9,576	2,751	6,430	13,527

[1] Master's-granting institutions were not surveyed in 1978

[2] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 7. Female full-time graduate students in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences								
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975	na	na	na	na	na	na	na	na	na	na
1976	48,681	46,649	3,049	1,632	2,476	742	1,484	11,711	11,052	14,503
1977	52,046	49,783	3,214	1,781	2,282	759	1,802	12,541	11,754	15,650
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	57,051	53,610	3,493	2,219	2,170	1,050	2,196	13,504	12,571	16,407
1980	61,303	57,448	3,703	2,483	2,306	1,403	2,389	13,862	13,892	17,410
1981	63,911	59,297	4,003	2,571	2,540	1,727	2,427	14,071	14,563	17,395
1982	65,498	60,249	4,397	2,787	2,791	2,311	2,542	14,525	14,444	16,452
1983	67,895	62,274	4,837	2,969	2,918	2,639	2,526	14,755	15,200	16,430
1984[2]	68,580	62,531	5,098	2,857	2,981	2,743	2,578	15,066	15,255	15,953
1985[2]	69,768	63,484	5,429	2,833	3,202	3,055	2,394	15,177	15,103	16,291
1986[2]	72,913	65,935	5,741	2,912	3,404	3,317	2,378	15,787	15,992	16,404
1987[2]	75,022	67,731	6,030	2,674	3,562	3,331	2,370	16,101	16,834	16,829
1988	78,276	70,653	6,371	2,743	3,718	3,338	2,478	16,772	17,919	17,314
1989	81,768	73,624	6,664	2,749	3,935	3,251	2,505	17,585	18,881	18,054
1990	86,674	77,969	6,822	2,926	4,044	3,471	2,639	18,130	19,976	19,961
1991	92,048	82,370	7,274	3,174	4,221	3,489	2,862	19,171	21,301	20,878
1992	98,682	88,021	7,505	3,391	4,429	3,556	2,997	20,130	22,991	23,022
1993	103,117	91,920	7,725	3,547	4,434	3,590	3,185	21,521	23,593	24,325
1994	106,353	94,775	7,768	3,787	4,416	3,549	3,328	22,517	24,157	25,253
1995	107,395	95,893	7,657	3,880	4,197	3,650	3,463	23,029	24,319	25,698
1996	109,345	97,518	7,536	3,854	4,169	4,093	3,458	22,998	24,637	26,773
1997	110,498	97,990	7,428	3,860	3,973	4,799	3,512	22,954	24,718	26,746
1998	111,622	98,795	7,357	4,070	3,954	5,452	3,601	23,383	24,639	26,339
1999	114,850	101,327	7,570	4,313	4,134	6,381	3,794	23,907	24,623	26,605
2000	118,748	103,871	7,761	4,438	4,071	7,486	3,945	24,286	25,175	26,709

Year	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975	na	na	na	na	na	na	na	na	na	na
1976	2,032	23	241	513	297	379	122	110	347	11,093
1977	2,263	27	284	541	382	376	141	143	369	12,842
1978[1]	na	na	na	na	na	na	na	na	na	na
1979	3,441	36	440	894	454	579	258	214	566	15,163
1980	3,855	54	466	899	558	665	316	233	664	16,282
1981	4,614	51	534	1,126	711	688	347	291	866	16,687
1982	5,249	73	674	1,241	818	765	433	313	932	16,025
1983	5,621	80	771	1,295	963	615	483	328	1,086	15,945
1984[2]	6,049	86	734	1,438	1,150	624	561	358	1,098	16,268
1985[2]	6,284	126	757	1,492	1,208	635	559	443	1,064	16,574
1986[2]	6,978	148	796	1,487	1,467	734	627	530	1,189	16,679
1987[2]	7,291	167	882	1,398	1,549	735	732	578	1,250	16,604
1988	7,623	168	796	1,565	1,682	741	835	586	1,250	17,339
1989	8,144	180	804	1,649	1,822	912	855	644	1,278	18,155
1990	8,705	199	903	1,781	1,956	913	848	696	1,409	19,428
1991	9,678	254	988	2,019	2,157	1,048	942	749	1,521	21,468
1992	10,661	263	1,100	2,328	2,420	1,182	1,086	812	1,470	23,108
1993	11,197	291	1,171	2,524	2,437	1,180	1,185	812	1,597	25,802
1994	11,578	278	1,196	2,786	2,389	1,309	1,217	854	1,549	28,367
1995	11,502	276	1,229	2,817	2,440	1,160	1,135	830	1,615	30,759
1996	11,827	283	1,324	2,854	2,540	1,097	1,190	831	1,708	32,163
1997	12,508	303	1,370	2,911	2,811	1,107	1,289	875	1,842	33,491
1998	12,827	314	1,397	2,941	3,054	1,084	1,233	907	1,897	34,903
1999	13,523	325	1,396	3,045	3,257	1,136	1,262	848	2,254	36,635
2000	14,877	374	1,549	3,308	3,754	1,343	1,353	850	2,346	36,568

[1] Master's-granting institutions were not surveyed in 1978.

[2] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 8. Full-time graduate students with U.S. citizenship or permanent resident status in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
		Sciences								
1975[1]	na	na	na	na	na	na	na	na	na	na
1976[1]	na	na	na	na	na	na	na	na	na	na
1977[1]	na	na	na	na	na	na	na	na	na	na
1978[1]	na	na	na	na	na	na	na	na	na	na
1979[1]	na	na	na	na	na	na	na	na	na	na
1980[2]	166,142	141,389	17,186	9,484	6,647	4,521	7,855	33,121	25,461	37,114
1981[2]	165,614	139,549	17,052	9,436	6,511	4,887	7,852	32,442	25,566	35,803
1982[2]	166,697	138,201	17,586	9,691	6,926	5,981	7,653	31,674	24,588	34,102
1983[2]	169,884	138,709	18,016	10,292	6,714	6,677	7,426	31,240	25,468	32,876
1984[2,3]	169,859	137,892	18,294	10,162	6,772	6,982	7,400	31,317	24,924	32,041
1985[2,3]	168,231	136,394	18,189	9,666	6,995	8,327	6,841	30,665	24,179	31,532
1986[2,3]	170,377	137,127	18,272	9,374	7,243	8,912	6,723	30,606	25,085	30,912
1987[2,3]	171,087	137,146	18,395	8,485	7,549	8,863	6,416	30,183	26,044	31,211
1988[2]	170,141	136,616	18,141	8,029	7,738	8,415	6,429	30,158	26,802	30,904
1989[2]	173,336	139,249	18,116	7,708	7,697	8,616	6,375	30,291	28,021	32,425
1990[2]	177,740	143,248	17,841	7,808	7,961	8,742	6,187	30,229	29,133	35,347
1991[2]	185,403	148,324	18,276	7,793	8,380	8,455	6,388	31,025	30,634	37,373
1992	197,394	157,505	18,767	8,299	8,939	8,881	6,572	32,491	32,548	41,008
1993	204,402	163,192	19,236	8,661	9,056	9,019	6,654	34,452	33,196	42,918
1994	206,805	165,653	19,136	8,586	8,876	8,757	6,685	36,199	33,430	43,984
1995	204,107	165,515	18,403	8,673	8,291	8,627	6,869	37,167	33,574	43,911
1996	200,669	164,193	17,632	8,399	7,885	8,400	6,740	37,197	33,789	44,151
1997	195,969	161,092	16,805	8,289	7,262	8,578	6,745	36,704	33,881	42,828
1998	191,943	158,557	16,468	8,258	7,061	9,042	6,760	36,539	33,410	41,019
1999	190,117	157,776	16,300	8,268	6,588	9,960	7,011	36,871	32,968	39,810
2000	186,977	155,092	15,732	8,156	6,350	9,794	7,050	36,178	33,210	38,622

Year	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	Health fields
	Engineering									
1975[1]	na	na	na	na	na	na	na	na	na	na
1976[1]	na	na	na	na	na	na	na	na	na	na
1977[1]	na	na	na	na	na	na	na	na	na	na
1978[1]	na	na	na	na	na	na	na	na	na	na
1979[1]	na	na	na	na	na	na	na	na	na	na
1980[2]	24,753	759	2,517	4,670	5,666	2,297	3,211	1,165	4,468	22,000
1981[2]	26,065	882	2,808	5,162	5,665	2,029	3,363	1,361	4,795	21,986
1982[2]	28,496	945	3,290	5,428	6,421	2,190	3,767	1,319	5,136	20,632
1983[2]	31,175	1,088	3,650	5,544	7,398	1,933	4,327	1,553	5,682	20,244
1984[2,3]	31,967	1,115	3,623	5,687	7,890	1,934	4,591	1,679	5,448	20,618
1985[2,3]	31,837	1,258	3,350	5,282	8,137	1,874	4,858	1,821	5,257	20,812
1986[2,3]	33,250	1,343	3,432	5,303	8,572	2,056	5,218	1,882	5,444	20,722
1987[2,3]	33,941	1,559	3,371	5,090	9,002	2,152	5,559	1,860	5,348	21,175
1988[2]	33,525	1,502	2,971	5,208	9,295	2,239	5,299	1,848	5,163	21,571
1989[2]	34,087	1,757	2,686	5,097	9,723	2,438	5,632	1,923	4,831	22,603
1990[2]	34,492	1,870	2,696	5,375	9,652	2,389	5,781	2,015	4,714	23,932
1991[2]	37,079	2,201	2,815	6,140	9,947	2,780	6,120	2,100	4,976	26,204
1992	39,889	2,246	2,968	7,003	10,548	3,088	6,803	2,278	4,955	28,496
1993	41,210	2,178	3,128	7,440	10,394	3,236	7,228	2,298	5,308	31,942
1994	41,152	1,862	3,381	7,848	10,441	3,211	7,090	2,364	4,955	35,519
1995	38,592	1,611	3,314	7,652	9,365	2,885	6,548	2,190	5,027	38,537
1996	36,476	1,417	3,382	7,509	8,688	2,528	6,024	1,988	4,940	40,582
1997	34,877	1,327	3,281	7,082	8,475	2,443	5,591	1,922	4,756	42,707
1998	33,386	1,268	3,059	6,871	8,089	2,255	5,212	1,894	4,738	44,555
1999	32,341	1,278	2,826	6,492	7,478	2,447	5,007	1,712	5,101	46,149
2000	31,885	1,358	2,813	6,348	7,558	2,421	4,875	1,645	4,867	45,580

[1] Distribution by citizenship data were not requested before 1980.

[2] For 1991 and earlier years, these figures do not include permanent residents.

[3] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 9. Full-time graduate students without U.S. citizenship or permanent resident status in science, engineering, and health fields in all institutions, by field: 1975-2000

Year	Total, science and engineering	Sciences								
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
1975[1]	na	na	na	na	na	na	na	na	na	na
1976[1]	na	na	na	na	na	na	na	na	na	na
1977[1]	na	na	na	na	na	na	na	na	na	na
1978[1]	na	na	na	na	na	na	na	na	na	na
1979[1]	na	na	na	na	na	na	na	na	na	na
1980[2]	48,259	30,362	5,731	1,387	3,254	2,066	2,290	4,505	1,210	9,919
1981[2]	52,329	32,642	6,258	1,495	3,641	2,558	2,433	4,775	1,004	10,478
1982[2]	55,169	33,881	6,454	1,626	3,887	3,190	2,454	4,959	1,079	10,232
1983[2]	59,515	36,758	7,195	1,669	4,241	3,923	2,526	5,443	1,093	10,668
1984[2] [3]	61,087	37,863	7,560	1,570	4,537	4,454	2,484	5,728	1,045	10,485
1985[2] [3]	65,699	41,618	8,483	1,665	4,821	5,534	2,387	6,274	1,156	11,298
1986[2] [3]	72,347	45,400	9,498	1,867	5,145	6,108	2,587	7,115	1,170	11,910
1987[2] [3]	76,010	47,989	10,028	1,939	5,494	6,473	2,648	7,954	1,212	12,241
1988[2]	80,413	50,906	10,444	2,152	5,774	6,718	2,668	8,957	1,316	12,877
1989[2]	83,477	53,168	11,100	2,304	5,984	6,990	2,674	9,972	1,327	12,817
1990[2]	87,576	56,058	11,649	2,431	5,904	7,947	2,880	10,640	1,485	13,122
1991[2]	91,662	57,707	11,850	2,571	5,876	8,091	2,871	11,573	1,624	13,251
1992	93,009	58,455	11,914	2,677	5,740	8,624	2,846	11,803	1,614	13,237
1993	89,500	56,902	11,380	2,685	5,474	8,382	2,792	11,915	1,586	12,688
1994	86,170	55,752	10,913	2,860	5,350	7,944	2,794	11,762	1,858	12,271
1995	83,057	53,867	10,476	2,586	5,119	7,883	2,736	11,118	1,648	12,301
1996	83,364	53,981	10,299	2,396	5,081	8,795	2,557	10,487	1,623	12,743
1997	84,695	53,884	10,077	2,221	4,882	9,757	2,351	10,219	1,670	12,707
1998	86,998	54,949	9,923	2,186	4,690	10,930	2,226	10,453	1,738	12,803
1999	93,794	58,112	10,335	2,216	5,208	12,748	2,145	10,236	1,737	13,487
2000	105,049	64,329	10,820	2,403	5,382	16,850	2,063	10,848	1,856	14,107

Year	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
1975[1]	na	na	na	na	na	na	na	na	na	na
1976[1]	na	na	na	na	na	na	na	na	na	na
1977[1]	na	na	na	na	na	na	na	na	na	na
1978[1]	na	na	na	na	na	na	na	na	na	na
1979[1]	na	na	na	na	na	na	na	na	na	na
1980[2]	17,897	568	1,996	3,288	4,297	1,439	2,630	1,109	2,570	2,047
1981[2]	19,687	601	2,208	3,637	4,785	1,574	3,059	1,117	2,706	2,147
1982[2]	21,288	577	2,347	3,953	5,112	1,617	3,500	1,186	2,996	2,298
1983[2]	22,757	752	2,243	4,260	5,867	1,355	4,003	1,178	3,099	2,412
1984[2] [3]	23,224	739	2,135	4,399	6,035	1,459	4,107	1,209	3,141	2,358
1985[2] [3]	24,081	736	2,218	4,467	6,662	1,582	4,017	1,288	3,111	2,545
1986[2] [3]	26,947	811	2,193	4,668	7,718	1,754	4,571	1,516	3,716	2,722
1987[2] [3]	28,021	813	2,333	4,538	8,099	2,013	4,671	1,607	3,947	2,784
1988[2]	29,507	1,031	2,413	4,738	8,411	2,074	5,117	1,661	4,062	3,060
1989[2]	30,309	1,015	2,617	4,867	8,743	2,246	4,860	1,837	4,124	3,295
1990[2]	31,518	1,140	2,780	4,753	9,023	2,417	5,086	1,954	4,365	3,575
1991[2]	33,955	1,124	3,003	5,188	9,927	2,859	5,567	1,994	4,293	3,786
1992	34,554	1,060	3,014	5,451	10,429	3,025	5,580	2,031	3,964	3,710
1993	32,598	1,084	2,951	5,018	9,949	2,714	5,167	1,996	3,719	3,857
1994	30,418	1,138	2,755	4,793	8,944	2,749	4,785	1,779	3,475	3,655
1995	29,190	1,082	2,671	4,596	8,802	2,504	4,580	1,722	3,233	3,655
1996	29,383	1,159	2,557	4,282	9,279	2,638	4,666	1,736	3,066	4,013
1997	30,811	1,202	2,540	4,324	10,379	2,673	4,841	1,772	3,080	4,014
1998	32,049	1,297	2,571	4,283	11,381	2,639	4,861	1,842	3,175	4,026
1999	35,682	1,367	2,767	4,745	12,741	3,053	5,324	1,851	3,834	4,361
2000	40,720	1,401	3,052	5,417	15,263	3,668	6,054	1,956	3,909	4,515

[1] Distribution by citizenship data were not requested before 1980.

[2] For 1991 and earlier years, these figures include permanent residents and students with temporary visas. Beginning in 1992, these figures include only students with temporary visas.

[3] These figures include estimated data for master's-granting institutions, which were surveyed on a sample basis from 1984-87. See "Technical Notes" for further information.

KEY: na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 10. Graduate students in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

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Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	504,409	504,516	499,750	494,195	487,316	485,760	493,410	494,594
Total, science and engineering fields	435,703	431,114	422,438	415,148	407,597	404,809	411,257	414,570
Sciences, total	318,831	318,090	315,237	311,924	306,449	304,771	309,566	309,969
Physical sciences, total	35,328	34,486	33,399	32,333	31,105	30,575	30,691	30,463
Astronomy	880	973	912	874	778	820	832	888
Chemistry	20,131	19,803	19,570	19,334	18,774	18,482	18,416	18,188
Physics	13,841	13,162	12,425	11,728	11,147	10,809	10,869	10,836
Physical sciences, n.e.c.	476	528	492	397	406	464	574	551
Earth, atmos., & ocean sci., total	15,721	15,957	15,716	15,183	14,548	14,258	14,083	13,940
Atmospheric sciences	1,112	1,109	1,072	1,086	1,092	965	913	963
Geosciences	7,759	7,713	7,582	7,304	6,959	6,687	6,637	6,595
Oceanography	2,627	2,870	2,723	2,615	2,479	2,562	2,624	2,668
Earth, atmos., & ocean sci., n.e.c.	4,223	4,265	4,339	4,178	4,018	4,044	3,909	3,714
Mathematical sciences, total	20,000	19,573	18,504	18,008	16,719	16,485	16,257	15,646
Mathematics & applied mathematics	16,945	16,457	15,386	14,948	14,027	13,827	13,521	12,819
Statistics	3,055	3,116	3,118	3,060	2,692	2,658	2,736	2,827
Computer sciences	36,213	34,158	33,458	34,626	35,991	38,027	42,560	47,594
Agricultural sciences	11,950	12,242	12,422	11,974	11,852	11,844	11,988	11,684
Biological sciences, total	56,292	58,033	58,680	58,060	57,044	56,994	57,115	56,494
Anatomy	961	1,018	982	1,019	1,003	922	886	924
Biochemistry	5,489	5,615	5,562	5,275	5,102	5,148	5,101	4,963
Biology	14,330	14,208	14,280	14,611	14,646	14,277	13,989	13,410
Biometry/epidemiology	2,658	2,710	2,812	3,001	2,900	3,511	3,529	3,471
Biophysics	780	794	845	833	748	737	710	745
Botany	2,714	2,748	2,609	2,504	2,402	2,328	2,261	2,176
Cell biology	3,440	3,829	3,994	4,022	4,111	4,206	4,465	4,647
Ecology	1,410	1,566	1,680	1,615	1,619	1,655	1,687	1,744
Entomology/parasitology	1,247	1,263	1,241	1,234	1,161	1,168	1,145	1,104
Genetics	1,785	1,699	1,700	1,729	1,760	1,705	1,767	1,705
Microbio., immunology, & virology	5,021	5,094	5,026	4,912	4,805	4,773	4,815	4,815
Nutrition	4,388	4,791	5,071	4,918	4,604	4,486	4,508	4,430
Pathology	1,575	1,707	1,670	1,656	1,674	1,580	1,580	1,529
Pharmacology	2,651	2,839	2,710	2,663	2,597	2,730	2,757	2,959
Physiology	2,372	2,378	2,540	2,377	2,298	2,151	2,083	2,007
Zoology	2,042	2,028	2,006	1,852	1,669	1,622	1,558	1,481
Biosciences, n.e.c.	3,429	3,746	3,952	3,839	3,945	3,995	4,274	4,384
Psychology, total	54,557	54,554	53,641	53,122	53,126	52,557	51,864	50,689
Psychology, general	18,962	18,356	17,636	16,832	17,246	17,095	16,235	15,710
Clinical psychology	12,526	12,684	12,519	12,787	13,098	12,733	12,798	12,488
Psychology, n.e.c.	23,069	23,514	23,486	23,503	22,782	22,729	22,831	22,491
Social sciences, total	88,770	89,107	89,417	88,618	86,064	84,031	85,008	83,459
Agricultural economics	2,415	2,289	2,338	2,117	2,043	1,995	2,014	2,079
Anthropology (cultural & social)	7,361	7,665	7,693	7,773	7,560	7,577	7,633	7,633
Economics (except agricultural)	13,214	12,913	12,673	12,080	11,097	10,701	10,562	10,763
Geography	4,378	4,502	4,371	4,331	4,287	4,326	4,250	4,044
History and philosophy of science	369	387	401	409	443	508	557	532
Linguistics	3,321	3,279	3,194	3,156	3,068	2,935	2,799	2,674
Political science	35,076	34,317	34,298	33,252	32,083	30,828	31,381	31,179
Sociology	9,425	9,498	9,564	9,425	9,413	9,058	8,966	8,689
Sociology/anthropology	935	987	941	923	948	857	741	745
Social sciences, n.e.c.	12,276	13,270	13,944	15,152	15,122	15,246	16,105	15,121
Engineering, total	116,872	113,024	107,201	103,224	101,148	100,038	101,691	104,601
Aerospace engineering	3,940	3,715	3,343	3,208	3,083	3,137	3,349	3,407
Agricultural engineering	1,018	1,061	1,037	1,012	941	925	934	899
Biomedical engineering	2,675	2,750	2,732	2,732	2,847	2,905	3,121	3,241
Chemical engineering	7,554	7,639	7,452	7,408	7,288	7,093	6,883	7,093
Civil engineering	19,583	19,925	19,218	18,528	17,193	16,517	16,226	16,456
Electrical engineering	35,290	33,020	30,721	29,702	30,548	31,129	31,382	33,308
Engineering science	2,180	2,089	1,955	1,751	1,647	1,701	1,627	1,632
Industrial/manufacturing eng.	13,905	13,992	13,475	12,675	11,957	11,221	11,803	12,253
Mechanical engineering	18,477	17,761	16,363	15,509	15,045	14,696	14,956	15,457
Metallurgical/materials eng.	5,410	5,228	4,956	4,747	4,688	4,680	4,481	4,377
Mining engineering	427	424	373	371	348	304	328	287
Nuclear engineering	1,306	1,246	1,154	980	868	821	830	792
Petroleum engineering	725	624	610	562	561	571	642	627
Engineering, n.e.c.	4,382	3,550	3,812	4,039	4,134	4,338	5,129	4,772

See explanatory information, if any, and SOURCE at end of table.

Table 10. Graduate students in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

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Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, health fields	68,706	73,402	77,312	79,047	79,719	80,951	82,153	80,024
Medical fields, total	14,233	15,065	15,566	15,396	15,503	16,690	17,355	16,569
Anesthesiology	719	729	749	754	840	907	880	873
Cardiology	11	14	19	18	33	36	63	53
Oncology/cancer research	209	208	189	185	198	209	250	237
Endocrinology	63	63	53	46	43	58	67	57
Gastroenterology	1	0	0	0	3	6	7	40
Hematology	3	2	1	3	3	1	5	6
Neurology	1,335	1,472	1,571	1,653	1,717	1,825	1,907	1,992
Obstetrics and gynecology	3	4	6	4	18	13	16	16
Ophthalmology	19	32	30	33	33	38	49	58
Otorhinolaryngology	1	2	0	0	2	0	3	9
Pediatrics	196	261	238	275	342	328	316	403
Preventive medicine/community health	10,001	10,480	10,886	10,598	10,460	11,519	11,990	10,870
Psychiatry	172	225	249	218	228	136	119	179
Pulmonary disease	0	0	0	0	0	0	6	7
Radiology	287	320	314	285	267	249	229	230
Surgery	82	119	174	167	171	122	122	147
Clinical medicine, n.e.c.	1,131	1,134	1,087	1,157	1,145	1,243	1,326	1,392
Other health fields, total	54,473	58,337	61,746	63,651	64,216	64,261	64,798	63,455
Dental sciences	1,228	1,298	1,338	1,388	1,491	1,518	1,467	1,430
Nursing	24,781	26,997	28,405	27,388	26,861	25,591	25,074	23,341
Pharmaceutical sciences	2,859	2,887	2,808	2,846	2,710	2,882	3,422	3,605
Speech pathology/audiology	10,740	11,473	12,092	12,973	13,320	13,331	13,600	13,655
Veterinary sciences	924	922	975	997	1,224	1,288	1,314	1,367
Health related, n.e.c.	13,941	14,760	16,128	18,059	18,610	19,651	19,921	20,057

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 11. Male graduate students in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	294,481	288,360	279,311	271,665	264,501	261,023	262,760	263,014
Total, science and engineering fields	279,178	272,021	262,248	253,499	245,608	241,406	242,832	243,837
Sciences, total	179,994	177,047	173,060	168,529	163,180	160,356	161,028	159,996
Physical sciences, total	26,122	25,299	24,314	23,288	22,257	21,822	21,776	21,335
Astronomy	682	750	689	647	570	590	607	621
Chemistry	13,279	12,958	12,742	12,495	12,052	11,918	11,799	11,415
Physics	11,865	11,254	10,590	9,919	9,403	9,029	8,993	8,930
Physical sciences, n.e.c.	296	337	293	227	232	285	377	369
Earth, atmos., & ocean sci., total	10,695	10,638	10,282	9,736	9,132	8,690	8,358	8,189
Atmospheric sciences	887	867	835	852	829	731	671	695
Geosciences	5,665	5,490	5,299	4,984	4,663	4,372	4,237	4,142
Oceanography	1,611	1,755	1,616	1,545	1,424	1,400	1,402	1,401
Earth, atmos., & ocean sci., n.e.c.	2,532	2,526	2,532	2,355	2,216	2,187	2,048	1,951
Mathematical sciences	13,362	13,042	12,246	11,789	10,851	10,497	10,214	9,865
Computer sciences	27,782	26,071	25,325	25,829	26,110	27,225	29,990	33,431
Agricultural sciences	7,837	7,927	7,963	7,525	7,291	7,125	7,078	6,753
Biological sciences, total	29,295	29,896	29,829	29,289	28,427	27,915	27,442	26,576
Anatomy	504	525	517	552	543	509	470	488
Biochemistry	3,167	3,238	3,148	2,987	2,926	2,919	2,835	2,739
Biology	7,504	7,460	7,377	7,482	7,359	7,064	6,846	6,401
Biometry/epidemiology	1,132	1,124	1,139	1,227	1,119	1,352	1,287	1,279
Biophysics	554	576	604	589	532	528	497	516
Botany	1,620	1,584	1,465	1,394	1,283	1,210	1,168	1,077
Cell biology	1,832	2,067	2,146	2,128	2,152	2,154	2,192	2,245
Ecology	746	821	906	847	838	832	817	838
Entomology/parasitology	847	846	827	810	751	754	739	662
Genetics	853	787	818	828	801	735	760	737
Microbio., immunology, & virology	2,573	2,604	2,569	2,480	2,409	2,402	2,365	2,381
Nutrition	1,244	1,273	1,296	1,238	1,144	1,073	1,077	1,034
Pathology	834	925	890	847	842	776	776	701
Pharmacology	1,407	1,487	1,399	1,372	1,368	1,405	1,414	1,444
Physiology	1,389	1,392	1,482	1,396	1,364	1,265	1,185	1,130
Zoology	1,221	1,184	1,175	1,065	947	910	872	821
Biosciences, n.e.c.	1,868	2,003	2,071	2,047	2,049	2,027	2,142	2,083
Psychology	16,567	16,416	15,877	15,375	15,507	15,095	14,494	13,670
Social sciences, total	48,334	47,758	47,224	45,698	43,605	41,987	41,676	40,177
Agricultural economics	1,665	1,541	1,555	1,407	1,355	1,315	1,299	1,290
Anthropology (cultural & social)	2,969	3,072	3,140	3,087	3,059	3,021	2,989	2,945
Economics (except agricultural)	9,358	9,120	8,797	8,297	7,585	7,237	7,063	6,995
Geography	2,796	2,904	2,786	2,770	2,662	2,663	2,547	2,413
Linguistics	1,301	1,213	1,194	1,133	1,051	982	966	930
Political science	19,320	18,733	18,348	17,620	16,679	15,867	15,806	15,235
Sociology	3,857	3,758	3,781	3,640	3,591	3,362	3,227	3,085
Sociology/anthropology	423	396	387	382	377	335	271	282
Social sciences, n.e.c.	6,645	7,021	7,236	7,362	7,246	7,205	7,508	7,002
Engineering, total	99,184	94,974	89,188	84,970	82,428	81,050	81,804	83,841
Aerospace engineering	3,583	3,357	2,992	2,856	2,712	2,755	2,926	2,938
Agricultural engineering	867	861	835	802	723	682	683	631
Biomedical engineering	1,977	2,053	2,006	1,999	2,021	2,035	2,117	2,171
Chemical engineering	6,050	6,110	5,885	5,757	5,568	5,366	5,150	5,212
Civil engineering	15,725	15,714	14,986	14,228	13,029	12,415	12,069	12,182
Electrical engineering	30,977	28,918	26,633	25,580	26,110	26,382	26,409	27,959
Engineering science	1,876	1,783	1,658	1,456	1,369	1,370	1,308	1,290
Industrial/manufacturing eng.	11,260	11,135	10,652	9,906	9,301	8,769	9,144	9,519
Mechanical engineering	16,703	15,938	14,686	13,873	13,266	12,934	13,168	13,604
Metallurgical/materials eng.	4,373	4,145	3,882	3,670	3,571	3,550	3,397	3,336
Nuclear engineering	1,121	1,093	1,009	827	725	687	686	636
Engineering, n.e.c.	4,672	3,867	3,964	4,016	4,033	4,105	4,747	4,363
Total, health fields	15,303	16,339	17,063	18,166	18,893	19,617	19,928	19,177
Clinical fields	1,353	1,373	1,348	1,407	1,510	1,563	1,628	1,716
Dental sciences	851	880	876	894	932	952	918	880
Nursing	1,285	1,506	1,661	1,765	2,036	2,159	2,261	2,181
Pharmaceutical sciences	1,586	1,585	1,524	1,523	1,423	1,518	1,732	1,764
Preventive medicine/community health	3,902	4,114	4,203	4,269	4,177	4,324	4,400	3,780
Speech pathology/audiology	856	935	983	1,042	1,075	1,064	1,060	1,023
Veterinary sciences	497	495	512	531	608	609	578	607
Other health fields	4,973	5,451	5,956	6,735	7,132	7,428	7,351	7,226

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 12. Female graduate students in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	209,928	216,156	220,439	222,530	222,815	224,737	230,650	231,580
Total, science and engineering fields	156,525	159,093	160,190	161,649	161,989	163,403	168,425	170,733
Sciences, total	138,837	141,043	142,177	143,395	143,269	144,415	148,538	149,973
Physical sciences, total	9,206	9,167	9,085	9,045	8,848	8,753	8,915	9,128
Astronomy	198	223	223	227	208	230	225	267
Chemistry	6,852	6,845	6,828	6,839	6,722	6,564	6,617	6,773
Physics	1,976	1,908	1,835	1,809	1,744	1,780	1,876	1,906
Physical sciences, n.e.c.	180	191	199	170	174	179	197	182
Earth, atmos., & ocean sci., total	5,026	5,319	5,434	5,447	5,416	5,568	5,725	5,751
Atmospheric sciences	225	242	237	234	263	234	242	268
Geosciences	2,094	2,223	2,283	2,320	2,296	2,315	2,400	2,453
Oceanography	1,016	1,115	1,107	1,070	1,055	1,162	1,222	1,267
Earth, atmos., & ocean sci., n.e.c.	1,691	1,739	1,807	1,823	1,802	1,857	1,861	1,763
Mathematical sciences	6,638	6,531	6,258	6,219	5,868	5,988	6,043	5,781
Computer sciences	8,431	8,087	8,133	8,797	9,881	10,802	12,570	14,163
Agricultural sciences	4,113	4,315	4,459	4,449	4,561	4,719	4,910	4,931
Biological sciences, total	26,997	28,137	28,851	28,771	28,617	29,079	29,673	29,918
Anatomy	457	493	465	467	460	413	416	436
Biochemistry	2,322	2,377	2,414	2,288	2,176	2,229	2,266	2,224
Biology	6,826	6,748	6,903	7,129	7,287	7,213	7,143	7,009
Biometry/epidemiology	1,526	1,586	1,673	1,774	1,781	2,159	2,242	2,192
Biophysics	226	218	241	244	216	209	213	229
Botany	1,094	1,164	1,144	1,110	1,119	1,118	1,093	1,099
Cell biology	1,608	1,762	1,848	1,894	1,959	2,052	2,273	2,402
Ecology	664	745	774	768	781	823	870	906
Entomology/parasitology	400	417	414	424	410	414	406	442
Genetics	932	912	882	901	959	970	1,007	968
Microbio., immunology, & virology	2,448	2,490	2,457	2,432	2,[illegible]96	2,371	2,450	2,434
Nutrition	3,144	3,518	3,775	3,680	3,460	3,413	3,431	3,396
Pathology	741	782	780	809	832	804	804	828
Pharmacology	1,244	1,352	1,311	1,291	1,229	1,325	1,343	1,515
Physiology	983	986	1,058	981	934	886	898	877
Zoology	821	844	831	787	722	712	686	660
Biosciences, n.e.c.	1,561	1,743	1,881	1,792	1,896	1,968	2,132	2,301
Psychology	37,990	38,138	37,764	37,747	37,619	37,462	37,370	37,019
Social sciences, total	40,436	41,349	42,193	42,920	42,459	42,044	43,332	43,282
Agricultural economics	750	748	783	710	688	680	715	789
Anthropology (cultural & social)	4,392	4,593	4,553	4,686	4,501	4,556	4,644	4,688
Economics (except agricultural)	3,856	3,793	3,876	3,783	3,512	3,464	3,499	3,768
Geography	1,582	1,598	1,585	1,561	1,625	1,663	1,703	1,631
Linguistics	2,020	2,066	2,000	2,023	2,017	1,953	1,833	1,744
Political science	15,756	15,584	15,950	15,632	15,404	14,961	15,575	15,944
Sociology	5,568	5,740	5,783	5,785	5,822	5,696	5,739	5,604
Sociology/anthropology	512	591	554	541	571	522	470	463
Social sciences, n.e.c.	6,000	6,636	7,109	8,199	8,319	8,549	9,154	8,651
Engineering, total	17,688	18,050	18,013	18,254	18,720	18,988	19,887	20,760
Aerospace engineering	357	358	351	352	371	382	423	469
Agricultural engineering	151	200	202	210	218	243	251	268
Biomedical engineering	698	697	726	733	826	870	1,004	1,070
Chemical engineering	1,504	1,529	1,567	1,651	1,720	1,727	1,733	1,881
Civil engineering	3,858	4,211	4,232	4,300	4,164	4,102	4,157	4,274
Electrical engineering	4,313	4,102	4,088	4,122	4,438	4,747	4,973	5,349
Engineering science	304	306	297	295	278	331	319	342
Industrial/manufacturing eng	2,645	2,857	2,823	2,769	2,656	2,452	2,659	2,734
Mechanical engineering	1,774	1,823	1,677	1,636	1,779	1,762	1,788	1,853
Metallurgical/materials eng	1,037	1,083	1,074	1,077	1,117	1,130	1,084	1,041
Nuclear engineering	185	153	145	153	143	134	144	156
Engineering, n.e.c.	862	731	831	956	1,010	1,108	1,352	1,323
Total, health fields	53,403	57,063	60,249	60,881	60,826	61,334	62,225	60,847
Clinical fields	1,544	1,740	1,761	1,738	1,816	1,783	1,830	1,991
Dental sciences	377	418	462	494	559	566	549	550
Nursing	23,496	25,491	26,744	25,623	24,825	23,432	22,813	21,160
Pharmaceutical sciences	1,273	1,302	1,284	1,323	1,287	1,364	1,690	1,841
Preventive medicine/community health	6,099	6,366	6,683	6,329	6,283	7,195	7,590	7,090
Speech pathology/audiology	9,884	10,538	11,109	11,931	12,245	12,267	12,540	12,632
Veterinary sciences	427	427	463	466	616	679	736	760
Other health fields	10,303	10,781	11,743	12,977	13,195	14,048	14,477	14,823

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

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Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	504,409	504,516	499,750	494,195	487,316	485,760	493,410	494,594
Total U.S. citizens and permanent residents	394,085	397,964	396,863	391,210	383,433	378,690	377,979	367,241
American Indian/Alaskan Native	1,605	1,724	1,856	1,906	1,969	2,036	1,997	2,023
Asian/Pacific Islander	26,853	29,618	29,362	29,926	30,373	31,619	32,725	31,668
Black, non-Hispanic	20,434	21,175	22,154	22,975	23,561	24,261	25,260	26,078
Hispanic	16,051	15,963	17,238	17,742	18,156	18,765	20,338	21,348
Other or unknown	19,913	17,510	21,715	21,386	22,666	22,433	22,244	24,485
White, non-Hispanic	309,229	311,974	304,538	297,275	286,708	279,576	275,415	261,639
Students with temporary visas	110,324	106,552	102,887	102,985	103,883	107,070	115,431	127,353
Total, science and engineering	435,703	431,114	422,438	415,148	407,597	404,809	411,257	414,570
Total U.S. citizens and permanent residents	330,037	328,998	323,935	317,043	308,636	302,837	301,367	292,743
American Indian/Alaskan Native	1,309	1,382	1,516	1,538	1,599	1,607	1,556	1,604
Asian/Pacific Islander	24,047	26,470	25,901	25,928	26,012	26,724	27,575	26,403
Black, non-Hispanic	17,111	17,610	18,285	19,066	19,341	19,649	20,330	20,973
Hispanic	13,380	13,273	14,112	14,571	14,984	15,485	16,533	17,223
Other or unknown	17,435	14,630	18,290	17,939	18,725	18,741	18,588	20,646
White, non-Hispanic	256,755	255,633	245,831	238,001	227,975	220,631	216,785	205,894
Students with temporary visas	105,666	102,116	98,503	98,105	98,961	101,972	109,890	121,827
Sciences, total	318,831	318,090	315,237	311,924	306,449	304,771	309,566	309,969
Total U.S. citizens and permanent residents	252,460	252,980	252,218	248,875	243,994	240,588	241,179	234,922
American Indian/Alaskan Native	1,100	1,141	1,286	1,304	1,360	1,371	1,314	1,395
Asian/Pacific Islander	15,051	16,683	16,883	17,488	17,879	18,712	19,414	18,305
Black, non-Hispanic	14,550	14,826	15,428	16,167	16,462	16,828	17,365	17,972
Hispanic	10,684	10,410	11,304	11,635	12,172	12,585	13,609	14,206
Other or unknown	11,735	10,275	13,417	13,369	14,239	14,559	14,755	16,356
White, non-Hispanic	199,340	199,645	193,900	188,912	181,882	176,533	174,722	166,688
Students with temporary visas	66,371	65,110	63,019	63,049	62,455	64,183	68,387	75,047
Physical sciences	35,328	34,466	33,399	32,333	31,105	30,575	30,691	30,463
Total U.S. citizens and permanent residents	23,076	22,757	21,990	21,155	20,210	19,837	19,559	18,900
American Indian/Alaskan Native	81	67	76	60	70	64	69	75
Asian/Pacific Islander	1,973	1,923	1,780	1,745	1,638	1,760	1,682	1,620
Black, non-Hispanic	844	856	897	986	952	913	903	916
Hispanic	747	675	731	742	782	832	895	846
Other or unknown	840	799	1,020	865	1,001	1,050	973	1,057
White, non-Hispanic	18,591	18,437	17,486	16,757	15,767	15,218	15,037	14,386
Students with temporary visas	12,252	11,709	11,409	11,178	10,895	10,738	11,132	11,563
Earth, atmos., & ocean sci	15,721	15,957	15,716	15,183	14,548	14,258	14,083	13,940
Total U.S. citizens and permanent residents	12,713	12,693	12,769	12,417	12,033	11,759	11,563	11,248
American Indian/Alaskan Native	45	48	52	65	82	84	63	61
Asian/Pacific Islander	462	449	419	409	417	424	400	351
Black, non-Hispanic	223	202	215	219	203	202	213	220
Hispanic	370	339	365	374	399	370	400	383
Other or unknown	537	373	473	477	530	581	480	450
White, non-Hispanic	11,076	11,282	11,245	10,873	10,402	10,098	10,007	9,783
Students with temporary visas	3,008	3,264	2,947	2,766	2,515	2,499	2,520	2,692

See explanatory information, if any, and SOURCE at end of table.

Table 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

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Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Mathematical sciences	20,000	19,573	18,504	18,008	16,719	16,485	16,257	15,646
Total U.S. citizens and permanent residents	13,866	13,510	12,695	12,247	11,175	11,064	10,330	9,612
American Indian/Alaskan Native	32	36	70	41	43	34	30	24
Asian/Pacific Islander	1,020	1,208	1,121	1,223	1,051	1,174	1,002	963
Black, non-Hispanic	710	673	689	711	657	613	594	569
Hispanic	415	369	400	425	427	454	447	460
Other or unknown	1,117	734	761	651	646	692	598	630
White, non-Hispanic	10,572	10,490	9,654	9,196	8,351	8,097	7,659	6,966
Students with temporary visas	6,134	6,063	5,809	5,761	5,544	5,421	5,927	6,034
Computer sciences	36,213	34,158	33,458	34,626	35,991	38,027	42,560	47,594
Total U.S. citizens and permanent residents	24,304	23,096	22,663	22,779	23,074	23,605	25,405	25,483
American Indian/Alaskan Native	70	44	56	54	60	92	75	81
Asian/Pacific Islander	3,557	4,046	4,043	4,266	4,626	5,219	6,156	5,587
Black, non-Hispanic	1,167	1,182	1,155	1,276	1,300	1,355	1,501	1,533
Hispanic	695	631	664	700	723	754	872	872
Other or unknown	2,011	1,441	1,972	2,004	2,303	2,237	2,378	2,845
White, non-Hispanic	16,804	15,752	14,773	14,479	14,062	13,948	14,423	14,565
Students with temporary visas	11,909	11,062	10,795	11,847	12,917	14,422	17,155	22,111
Agricultural sciences	11,950	12,242	12,422	11,974	11,852	11,844	11,988	11,684
Total U.S. citizens and permanent residents	8,829	9,121	9,343	9,044	9,146	9,261	9,514	9,324
American Indian/Alaskan Native	35	38	60	48	62	70	68	56
Asian/Pacific Islander	271	281	280	283	302	305	306	247
Black, non-Hispanic	237	240	297	270	230	313	277	266
Hispanic	308	268	289	374	408	387	417	433
Other or unknown	206	273	377	269	347	294	270	405
White, non-Hispanic	7,772	8,021	8,040	7,800	7,797	7,892	8,176	7,917
Students with temporary visas	3,121	3,121	3,079	2,930	2,706	2,583	2,474	2,360
Biological sciences	56,292	58,033	58,680	58,060	57,044	56,994	57,115	56,494
Total U.S. citizens and permanent residents	43,416	45,244	46,490	46,600	45,898	45,591	45,897	44,730
American Indian/Alaskan Native	157	183	205	200	197	192	186	188
Asian/Pacific Islander	3,444	3,949	4,299	4,465	4,486	4,447	4,468	4,238
Black, non-Hispanic	1,732	1,709	1,882	2,008	2,163	2,171	2,244	2,264
Hispanic	1,648	1,647	1,825	1,851	1,990	2,056	2,186	2,188
Other or unknown	1,424	1,432	1,816	1,792	2,102	2,218	2,396	2,426
White, non-Hispanic	35,011	36,324	36,463	36,284	34,960	34,507	34,417	33,426
Students with temporary visas	12,876	12,789	12,190	11,460	11,146	11,403	11,218	11,764
Psychology	54,557	54,554	53,641	53,122	53,126	52,557	51,864	50,689
Total U.S. citizens and permanent residents	52,676	52,211	51,554	51,149	51,118	50,371	49,625	48,429
American Indian/Alaskan Native	289	317	330	359	341	311	303	362
Asian/Pacific Islander	1,470	1,583	1,598	1,757	1,909	2,019	2,043	2,212
Black, non-Hispanic	3,284	3,529	3,359	3,452	3,644	3,813	3,787	4,263
Hispanic	2,562	2,485	2,799	2,937	3,075	3,228	3,575	4,132
Other or unknown	2,409	2,235	3,322	3,317	3,425	3,378	3,567	3,627
White, non-Hispanic	42,662	42,062	40,146	39,327	38,724	37,622	36,350	33,833
Students with temporary visas	1,881	2,343	2,087	1,973	2,008	2,186	2,239	2,260

See explanatory information, if any, and SOURCE at end of table

Table 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

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Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Social sciences	88,770	89,107	89,417	88,618	86,064	84,031	85,008	83,459
Total U.S. citizens and permanent residents	73,580	74,348	74,714	73,484	71,340	69,100	69,286	67,196
American Indian/Alaskan Native	391	408	437	477	505	524	520	548
Asian/Pacific Islander	2,854	3,244	3,343	3,340	3,450	3,364	3,357	3,087
Black, non-Hispanic	6,353	6,435	6,934	7,245	7,313	7,448	7,846	7,941
Hispanic	3,939	3,996	4,231	4,232	4,368	4,504	4,817	4,892
Other or unknown	3,191	2,988	3,676	3,994	3,885	4,109	4,093	4,916
White, non-Hispanic	56,852	57,277	56,093	54,196	51,819	49,151	48,653	45,812
Students with temporary visas	15,100	14,759	14,703	15,134	14,724	14,931	15,722	16,263
Engineering, total	116,872	113,024	107,201	103,224	101,148	100,038	101,691	104,601
Total U.S. citizens and permanent residents	77,577	76,018	71,717	68,168	64,642	62,249	60,188	57,821
American Indian/Alaskan Native	209	241	230	234	239	236	242	209
Asian/Pacific Islander	8,996	9,787	9,018	8,440	8,133	8,012	8,161	8,098
Black, non-Hispanic	2,561	2,784	2,857	2,899	2,879	2,821	2,965	3,001
Hispanic	2,696	2,863	2,808	2,936	2,812	2,900	2,924	3,017
Other or unknown	5,700	4,355	4,873	4,570	4,486	4,182	3,833	4,290
White, non-Hispanic	57,415	55,988	51,931	49,089	46,093	44,098	42,063	39,206
Students with temporary visas	39,295	37,006	35,484	35,056	36,506	37,789	41,503	46,780
Chemical engineering	7,554	7,639	7,452	7,408	7,288	7,093	6,883	7,093
Total U.S. citizens and permanent residents	4,369	4,612	4,483	4,521	4,424	4,208	3,869	3,798
American Indian/Alaskan Native	14	18	21	31	18	21	16	20
Asian/Pacific Islander	461	524	458	482	512	469	486	550
Black, non-Hispanic	160	157	175	191	172	185	147	169
Hispanic	181	171	202	200	142	179	182	181
Other or unknown	146	210	198	223	215	230	233	229
White, non-Hispanic	3,407	3,532	3,429	3,394	3,365	3,124	2,805	2,649
Students with temporary visas	3,185	3,027	2,969	2,887	2,864	2,885	3,014	3,295
Civil engineering	19,583	19,925	19,218	18,528	17,193	16,517	16,226	16,456
Total U.S. citizens and permanent residents	13,299	13,967	13,559	13,263	12,090	11,555	10,801	10,345
American Indian/Alaskan Native	43	38	42	48	58	43	56	39
Asian/Pacific Islander	1,167	1,339	1,322	1,254	1,050	1,104	931	789
Black, non-Hispanic	393	424	471	491	443	410	450	449
Hispanic	550	551	593	712	694	723	701	777
Other or unknown	731	586	697	775	637	610	575	540
White, non-Hispanic	10,415	11,029	10,434	9,983	9,208	8,665	8,088	7,751
Students with temporary visas	6,284	5,958	5,659	5,265	5,103	4,962	5,425	6,111
Electrical engineering	35,290	33,020	30,721	29,702	30,548	31,129	31,382	33,308
Total U.S. citizens and permanent residents	22,839	21,612	19,504	18,332	17,903	17,328	16,282	15,510
American Indian/Alaskan Native	43	52	51	50	46	33	47	37
Asian/Pacific Islander	3,746	4,098	3,707	3,543	3,487	3,435	3,488	3,417
Black, non-Hispanic	864	861	821	777	871	872	885	831
Hispanic	842	855	784	793	810	812	769	717
Other or unknown	1,738	1,453	1,535	1,436	1,624	1,497	1,266	1,595
White, non-Hispanic	15,606	14,293	12,606	11,733	11,065	10,679	9,827	8,913
Students with temporary visas	12,451	11,408	11,217	11,370	12,645	13,801	15,100	17,798

See explanatory information, if any, and SOURCE at end of table

Table 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

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Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Industrial engineering	13,905	13,992	13,475	12,675	11,957	11,221	11,803	12,253
Total U.S. citizens and permanent residents	10,428	10,404	10,123	9,349	8,616	7,869	8,073	7,815
American Indian/Alaskan Native	36	24	24	22	23	34	39	41
Asian/Pacific Islander	883	882	855	750	739	643	784	734
Black, non-Hispanic	451	514	541	535	489	465	541	577
Hispanic	337	384	386	421	396	364	426	440
Other or unknown	1,040	884	1,055	757	578	599	522	585
White, non-Hispanic	7,681	7,716	7,262	6,864	6,391	5,764	5,761	5,438
Students with temporary visas	3,477	3,588	3,352	3,326	3,341	3,352	3,730	4,438
Mechanical engineering	18,477	17,761	16,363	15,509	15,045	14,696	14,956	15,457
Total U.S. citizens and permanent residents	12,199	11,940	10,905	10,026	9,351	9,046	8,760	8,551
American Indian/Alaskan Native	30	54	44	35	35	25	33	28
Asian/Pacific Islander	1,307	1,421	1,225	1,073	947	973	1,008	1,121
Black, non-Hispanic	336	398	403	417	428	412	375	398
Hispanic	382	453	422	383	360	389	388	365
Other or unknown	1,115	721	752	657	602	590	465	576
White, non-Hispanic	9,029	8,893	8,059	7,461	6,979	6,657	6,491	6,063
Students with temporary visas	6,278	5,821	5,458	5,483	5,694	5,650	6,196	6,906
Other engineering	22,063	20,687	19,972	19,402	19,117	19,382	20,441	20,034
Total U.S. citizens and permanent residents	14,443	13,483	13,143	12,677	12,258	12,243	12,403	11,802
American Indian/Alaskan Native	43	55	48	48	59	80	51	44
Asian/Pacific Islander	1,432	1,523	1,451	1,338	1,398	1,388	1,464	1,487
Black, non-Hispanic	357	430	446	488	476	477	567	577
Hispanic	404	449	421	427	410	433	458	537
Other or unknown	930	501	636	722	830	656	772	765
White, non-Hispanic	11,277	10,525	10,141	9,654	9,085	9,209	9,091	8,392
Students with temporary visas	7,620	7,204	6,829	6,725	6,859	7,139	8,038	8,232
Total, health fields	68,706	73,402	77,312	79,047	79,719	80,951	82,153	80,024
Total U.S. citizens and permanent residents	64,048	68,966	72,928	74,167	74,797	75,853	76,612	74,498
American Indian/Alaskan Native	296	342	340	368	370	429	441	419
Asian/Pacific Islander	2,806	3,148	3,461	3,998	4,361	4,895	5,150	5,265
Black, non-Hispanic	3,323	3,565	3,869	3,909	4,220	4,612	4,930	5,105
Hispanic	2,671	2,690	3,126	3,171	3,172	3,280	3,805	4,125
Other or unknown	2,478	2,880	3,425	3,447	3,941	3,692	3,656	3,839
White, non-Hispanic	52,474	56,341	58,707	59,274	58,733	58,945	58,630	55,745
Students with temporary visas	4,658	4,436	4,384	4,880	4,922	5,098	5,541	5,526

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 14. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1994-2000

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Field and year	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all surveyed fields:								
1994	288,360	771	18,186	8,669	7,835	9,868	164,637	78,394
1995	279,311	833	17,483	8,932	8,174	11,997	157,441	74,451
1996	271,665	863	17,268	8,971	8,445	11,346	151,269	73,503
1997	264,501	890	17,118	9,115	8,559	11,941	143,711	73,167
1998	261,023	891	17,564	9,245	8,756	11,840	138,296	74,431
1999	262,760	851	17,754	9,553	9,187	11,433	134,448	79,534
2000	263,014	842	17,102	9,352	9,370	12,714	125,904	87,730
Total, science and engineering fields:								
1994	272,021	693	17,151	8,046	7,194	9,137	153,563	76,237
1995	262,248	753	16,371	8,210	7,400	11,170	146,003	72,341
1996	253,499	768	15,946	8,247	7,647	10,586	139,314	70,991
1997	245,608	804	15,682	8,329	7,695	10,932	131,482	70,684
1998	241,406	797	15,895	8,320	7,840	10,901	125,718	71,935
1999	242,832	745	16,048	8,587	8,204	10,462	121,846	76,940
2000	243,837	734	15,399	8,359	8,287	11,705	114,081	85,272
Sciences, total:								
1994	177,047	514	9,183	6,079	4,911	5,484	106,801	44,075
1995	173,060	572	9,134	6,253	5,204	7,058	102,946	41,893
1996	168,529	577	9,288	6,292	5,380	6,793	98,845	41,354
1997	163,180	624	9,331	6,366	5,522	7,310	93,660	40,367
1998	160,356	624	9,717	6,378	5,627	7,471	89,786	40,753
1999	161,028	570	9,896	6,598	5,982	7,392	87,647	42,943
2000	159,996	595	9,192	6,392	6,009	8,235	82,502	47,071
Physical sciences:								
1994	25,299	49	1,253	497	444	563	13,753	8,740
1995	24,314	57	1,159	529	469	722	13,004	8,374
1996	23,288	42	1,097	550	455	621	12,386	8,137
1997	22,257	46	1,044	508	499	689	11,587	7,884
1998	21,822	41	1,150	481	525	759	11,048	7,818
1999	21,776	40	1,046	501	549	689	10,872	8,079
2000	21,335	54	1,018	493	509	737	10,221	8,303
Earth, atmospheric, & ocean sciences:								
1994	10,638	25	294	117	212	241	7,362	2,387
1995	10,282	31	260	116	223	302	7,200	2,150
1996	9,736	36	249	115	230	292	6,820	1,994
1997	9,132	47	253	105	236	332	6,363	1,796
1998	8,690	44	238	103	202	334	6,033	1,736
1999	8,358	32	208	112	200	270	5,873	1,663
2000	8,189	33	179	120	198	262	5,601	1,796
Mathematical sciences:								
1994	13,042	24	735	343	241	503	6,822	4,374
1995	12,246	43	669	385	248	520	6,228	4,153
1996	11,789	24	701	368	266	425	5,906	4,099
1997	10,851	29	622	347	254	438	5,316	3,845
1998	10,497	16	704	339	276	467	5,057	3,638
1999	10,214	12	565	324	270	379	4,798	3,866
2000	9,865	14	544	294	310	422	4,358	3,923
Computer sciences:								
1994	26,071	36	2,689	696	471	1,053	12,483	8,643
1995	25,325	41	2,706	652	502	1,535	11,690	8,199
1996	25,829	40	2,834	716	523	1,491	11,439	8,786
1997	26,110	43	2,978	765	513	1,658	10,919	9,234
1998	27,225	68	3,299	764	559	1,588	10,750	10,197
1999	29,990	51	3,834	824	659	1,711	10,889	12,022
2000	33,431	51	3,483	855	623	2,023	10,916	15,480

See explanatory information, if any, and SOURCE at end of table.

Table 14. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1994-2000

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Field and year	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Agricultural sciences:								
1994	7,927	21	171	119	144	165	5,026	2,281
1995	7,963	30	151	151	155	235	5,022	2,219
1996	7,525	22	143	131	206	168	4,767	2,088
1997	7,291	34	164	104	246	189	4,662	1,892
1998	7,125	45	155	149	210	161	4,645	1,760
1999	7,078	46	139	135	209	160	4,741	1,648
2000	6,753	34	109	118	223	226	4,506	1,537
Biological sciences:								
1994	29,896	77	2,021	668	766	715	18,414	7,235
1995	29,829	87	2,165	690	851	963	18,345	6,728
1996	29,289	93	2,255	721	850	941	18,247	6,182
1997	28,427	91	2,166	777	899	1,058	17,434	6,002
1998	27,915	88	2,093	783	924	1,126	16,971	5,930
1999	27,442	80	2,097	781	967	1,178	16,579	5,760
2000	26,576	79	1,991	774	962	1,199	15,655	5,916
Psychology:								
1994	16,416	97	435	851	705	675	12,712	941
1995	15,877	93	416	817	762	949	11,983	857
1996	15,375	111	465	808	807	902	11,574	708
1997	15,507	118	510	908	860	1,045	11,316	750
1998	15,095	87	551	887	881	976	10,915	798
1999	14,494	88	536	915	958	985	10,222	790
2000	13,670	103	566	882	1,038	938	9,390	753
Social sciences:								
1994	47,758	185	1,585	2,788	1,928	1,569	30,229	9,474
1995	47,224	190	1,608	2,913	1,994	1,832	29,474	9,213
1996	45,698	209	1,544	2,883	2,043	1,953	27,706	9,360
1997	43,605	216	1,594	2,852	2,015	1,901	26,063	8,964
1998	41,987	235	1,527	2,872	2,050	2,060	24,367	8,876
1999	41,676	221	1,471	3,006	2,170	2,020	23,673	9,115
2000	40,177	227	1,302	2,856	2,146	2,428	21,855	9,363
Engineering:								
1994	94,974	179	7,968	1,967	2,283	3,653	46,762	32,162
1995	89,188	181	7,237	1,957	2,196	4,112	43,057	30,448
1996	84,970	191	6,658	1,955	2,267	3,793	40,469	29,637
1997	82,428	180	6,351	1,963	2,173	3,622	37,822	30,317
1998	81,050	173	6,178	1,942	2,213	3,430	35,932	31,182
1999	81,804	175	6,152	1,989	2,222	3,070	34,199	33,997
2000	83,841	139	6,207	1,967	2,278	3,470	31,579	38,201
Health fields:								
1994	16,339	78	1,035	623	641	731	11,074	2,157
1995	17,063	80	1,112	722	774	827	11,438	2,110
1996	18,166	95	1,322	724	798	760	11,955	2,512
1997	18,893	86	1,436	786	864	1,009	12,229	2,483
1998	19,617	94	1,669	925	916	939	12,578	2,496
1999	19,928	106	1,706	966	983	971	12,602	2,594
2000	19,177	108	1,703	993	1,083	1,009	11,823	2,458

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 15. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1994-2000

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Field and year	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all surveyed fields:								
1994	216,156	953	11,432	12,506	8,128	7,642	147,337	28,158
1995	220,439	1,023	11,879	13,222	9,064	9,718	147,097	28,436
1996	222,530	1,043	12,658	14,004	9,297	10,040	146,006	29,482
1997	222,815	1,079	13,255	14,446	9,597	10,725	142,997	30,716
1998	224,737	1,145	14,055	15,016	10,009	10,593	141,280	32,639
1999	230,650	1,146	14,971	15,707	11,151	10,811	140,967	35,897
2000	231,580	1,181	14,566	16,726	11,978	11,771	135,735	39,623
Total, science and engineering fields:								
1994	159,093	689	9,319	9,564	6,079	5,493	102,070	25,879
1995	160,190	763	9,530	10,075	6,712	7,120	99,828	26,162
1996	161,649	770	9,982	10,819	6,924	7,353	98,687	27,114
1997	161,989	795	10,330	11,012	7,289	7,793	96,493	28,277
1998	163,403	810	10,829	11,329	7,645	7,840	94,913	30,037
1999	168,425	811	11,527	11,743	8,329	8,126	94,939	32,950
2000	170,733	870	11,004	12,614	8,938	8,941	91,813	36,555
Sciences, total:								
1994	141,043	627	7,500	8,747	5,499	4,791	92,844	21,035
1995	142,177	714	7,749	9,175	6,100	6,359	90,954	21,126
1996	143,395	727	8,200	9,875	6,255	6,576	90,067	21,695
1997	143,289	736	8,548	10,096	6,650	6,929	88,222	22,088
1998	144,415	747	8,995	10,450	6,958	7,088	86,747	23,430
1999	148,538	744	9,518	10,767	7,627	7,363	87,075	25,444
2000	149,973	800	9,113	11,580	8,197	8,121	84,186	27,976
Physical sciences:								
1994	9,167	18	670	359	231	236	4,684	2,969
1995	9,085	19	621	368	262	298	4,482	3,035
1996	9,045	18	648	436	287	244	4,371	3,041
1997	8,848	24	594	444	283	312	4,180	3,011
1998	8,753	23	610	432	307	291	4,170	2,920
1999	8,915	29	636	402	346	284	4,165	3,053
2000	9,128	21	602	423	337	320	4,165	3,260
Earth, atmospheric, & ocean sciences:								
1994	5,319	23	155	85	127	132	3,920	877
1995	5,434	21	159	99	142	171	4,045	797
1996	5,447	29	160	104	144	185	4,053	772
1997	5,416	35	164	98	163	198	4,039	719
1998	5,568	40	186	99	168	247	4,065	763
1999	5,725	31	192	101	200	210	4,134	857
2000	5,751	28	172	100	185	188	4,182	896
Mathematical sciences:								
1994	6,531	12	473	330	128	231	3,668	1,689
1995	6,258	27	452	304	152	241	3,426	1,656
1996	6,219	17	522	343	159	226	3,290	1,662
1997	5,868	14	429	310	173	208	3,035	1,699
1998	5,988	18	470	274	178	225	3,040	1,783
1999	6,043	18	437	270	177	219	2,861	2,061
2000	5,781	10	419	275	150	208	2,608	2,111
Computer sciences:								
1994	8,087	8	1,357	486	160	388	3,269	2,419
1995	8,133	15	1,337	503	162	437	3,083	2,596
1996	8,797	14	1,432	560	177	513	3,040	3,061
1997	9,881	17	1,648	535	210	645	3,143	3,683
1998	10,802	24	1,920	[illegible]	195	649	3,198	4,225
1999	12,570	24	2,322	[illegible]	213	667	3,534	5,133
2000	14,163	30	2,104	[illegible]	249	822	3,649	6,631

See explanatory information, if any, and SOURCE at end of table.

Table 15. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1994-2000

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Field and year	Total	U.S. citizens and permanent residents: American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	Students with temporary visas
Agricultural sciences:								
1994	4,315	17	110	121	124	108	2,995	840
1995	4,459	30	129	146	134	142	3,018	860
1996	4,449	26	140	139	168	101	3,033	842
1997	4,561	28	138	126	162	158	3,135	814
1998	4,719	25	150	164	177	133	3,2[illegible]7	823
1999	4,910	22	167	142	208	110	3,435	826
2000	4,931	22	138	148	210	179	3,411	823
Biological sciences:								
1994	28,137	106	1,928	1,041	881	717	17,910	5,554
1995	28,851	118	2,134	1,192	974	853	18,118	5,462
1996	28,771	107	2,210	1,287	1,001	851	18,037	5,278
1997	28,617	106	2,320	1,386	1,091	1,044	17,526	5,144
1998	29,079	104	2,354	1,388	1,132	1,092	17,536	5,473
1999	29,673	106	2,371	1,463	1,219	1,218	17,838	5,458
2000	29,918	109	2,247	1,490	1,226	1,227	17,771	5,848
Psychology:								
1994	38,138	220	1,148	2,678	1,780	1,560	29,350	1,402
1995	37,764	237	1,182	2,542	2,037	2,373	28,163	1,230
1996	37,747	248	1,292	2,644	2,130	2,415	27,753	1,265
1997	37,619	223	1,399	2,736	2,215	2,380	27,408	1,258
1998	37,462	224	1,468	2,926	2,347	2,402	26,707	1,388
1999	37,370	215	1,507	2,872	2,617	2,582	26,128	1,449
2000	37,019	259	1,646	3,381	3,094	2,689	24,443	1,507
Social sciences:								
1994	41,349	223	1,659	3,647	2,068	1,419	27,048	5,285
1995	42,193	247	1,735	4,021	2,237	1,844	26,619	5,490
1996	42,920	268	1,796	4,362	2,189	2,041	26,490	5,774
1997	42,459	289	1,856	4,461	2,353	1,984	25,756	5,760
1998	42,044	289	1,837	4,576	2,454	2,049	24,784	6,055
1999	43,332	299	1,886	4,840	2,647	2,073	24,980	6,607
2000	43,282	321	1,785	5,085	2,746	2,488	23,957	6,900
Engineering:								
1994	18,050	62	1,819	817	580	702	9,226	4,844
1995	18,013	49	1,781	900	612	761	8,874	5,036
1996	18,254	43	1,782	944	669	777	8,620	5,419
1997	18,720	59	1,782	916	639	864	8,271	6,189
1998	18,988	63	1,834	879	687	752	8,166	6,607
1999	19,887	67	2,009	976	702	763	7,864	7,506
2000	20,760	70	1,891	1,034	739	820	7,627	8,579
Health fields:								
1994	57,063	264	2,113	2,942	2,049	2,149	45,267	2,279
1995	60,249	260	2,349	3,147	2,352	2,598	47,269	2,274
1996	60,881	273	2,676	3,185	2,373	2,687	47,319	2,368
1997	60,826	284	2,925	3,434	2,308	2,932	46,504	2,439
1998	61,334	335	3,226	3,687	2,364	2,753	46,367	2,602
1999	62,225	335	3,444	3,964	2,822	2,685	46,028	2,947
2000	60,847	311	3,562	4,112	3,042	2,830	43,922	3,068

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 16. Graduate students in science, engineering, and health fields in public institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	352,941	353,587	350,107	345,452	340,187	338,608	344,372	347,658
Total, science and engineering fields	303,218	300,420	294,652	288,086	282,575	280,557	285,007	289,214
Sciences, total	220,858	220,621	218,744	215,178	211,255	210,011	212,888	213,497
Physical sciences, total	25,783	25,145	24,538	23,655	22,748	22,559	22,544	22,514
Astronomy	579	591	556	525	471	509	511	542
Chemistry	14,649	14,441	14,407	14,186	13,847	13,769	13,607	13,559
Physics	10,090	9,618	9,114	8,561	8,041	7,842	7,860	7,871
Physical sciences, n.e.c.	465	495	461	383	389	439	566	542
Earth, atmos., & ocean sci., total	12,993	13,104	13,166	12,788	12,329	12,049	11,866	11,792
Atmospheric sciences	1,094	1,090	1,047	1,066	1,068	942	896	938
Geosciences	6,358	6,299	6,253	6,044	5,764	5,501	5,478	5,457
Oceanography	2,150	2,311	2,283	2,201	2,088	2,179	2,217	2,265
Earth, atmos., & ocean sci., n.e.c.	3,391	3,404	3,583	3,477	3,409	3,427	3,275	3,132
Mathematical sciences	15,645	15,198	13,248	13,871	12,725	12,520	12,355	12,282
Computer sciences	21,559	20,590	20,558	20,882	22,195	23,601	26,530	29,436
Agricultural sciences	11,466	11,680	11,897	11,482	11,389	11,354	11,518	11,178
Biological sciences, total	41,281	42,439	42,420	41,926	41,002	41,062	41,009	40,553
Anatomy	750	797	770	784	770	691	673	696
Biochemistry	3,701	3,914	3,891	3,730	3,610	3,633	3,585	3,513
Biology	10,740	10,690	10,567	10,905	10,820	10,564	10,459	10,099
Biometry/epidemiology	1,728	1,732	1,724	1,777	1,734	2,165	2,216	2,198
Biophysics	426	415	472	459	419	417	416	443
Botany	2,573	2,626	2,469	2,367	2,258	2,189	2,119	2,083
Cell biology	2,099	2,293	2,397	2,414	2,405	2,566	2,703	2,864
Ecology	1,234	1,387	1,490	1,450	1,473	1,511	1,509	1,564
Entomology/parasitology	1,186	1,193	1,179	1,171	1,101	1,109	1,087	1,055
Genetics	1,147	1,083	1,077	1,119	1,144	1,075	1,108	1,057
Microbio., immunology, & virology	3,535	3,570	3,508	3,400	3,317	3,258	3,220	3,207
Nutrition	3,523	3,775	3,939	3,845	3,686	3,676	3,650	3,464
Pathology	1,012	1,079	1,056	1,059	1,063	1,074	1,053	1,013
Pharmacology	1,871	1,979	1,872	1,797	1,750	1,829	1,848	2,054
Physiology	1,559	1,521	1,548	1,439	1,373	1,341	1,324	1,189
Zoology	1,976	1,951	1,914	1,780	1,598	1,558	1,496	1,442
Biosciences, n.e.c.	2,221	2,434	2,547	2,430	2,480	2,406	2,543	2,612
Psychology	29,574	29,503	29,197	28,203	28,497	28,101	27,479	26,811
Social sciences, total	62,557	62,962	62,720	62,371	60,370	58,765	59,587	58,931
Agricultural economics	2,303	2,174	2,205	2,031	1,973	1,928	1,949	2,019
Anthropology (cultural & social)	5,457	5,646	5,602	5,678	5,494	5,514	5,640	5,649
Economics (except agricultural)	8,768	8,598	8,355	7,953	7,253	6,896	6,923	7,020
Geography	4,052	4,168	4,077	4,013	3,994	4,018	3,925	3,723
Linguistics	2,486	2,419	2,383	2,281	2,228	2,149	2,063	1,979
Political science	22,625	21,983	21,869	21,115	20,340	19,373	20,067	19,889
Sociology	7,167	7,243	7,271	7,220	7,210	7,066	6,842	6,655
Sociology/anthropology	738	796	749	737	779	693	616	610
Social sciences, n.e.c.	8,961	9,935	10,209	11,343	11,099	11,128	11,562	11,387
Engineering, total	82,360	79,799	75,908	72,908	71,320	70,546	72,119	75,717
Aerospace engineering	3,126	2,917	2,598	2,435	2,332	2,311	2,339	2,385
Agricultural engineering	970	1,006	981	959	893	880	888	845
Biomedical engineering	1,639	1,641	1,656	1,700	1,844	1,842	1,991	2,048
Chemical engineering	5,570	5,623	5,468	5,383	5,214	5,089	4,887	5,125
Civil engineering	14,743	14,948	14,534	14,091	13,200	12,651	12,695	12,970
Electrical engineering	23,042	21,913	20,610	19,489	20,131	20,225	21,104	23,187
Engineering science	1,432	1,368	1,294	1,252	1,122	1,069	1,110	1,000
Industrial/manufacturing eng	9,526	9,506	8,902	8,346	7,779	7,682	7,967	8,603
Mechanical engineering	13,489	12,992	12,144	11,595	11,166	11,117	11,235	11,839
Metallurgical/materials eng	3,754	3,675	3,465	3,320	3,280	3,227	3,108	3,147
Nuclear engineering	1,094	1,062	975	826	751	715	716	672
Engineering, n.e.c.	3,975	3,148	3,281	3,512	3,608	3.738	4,079	3,896
Total, health fields	49,723	53,167	55,455	57,366	57,612	58,051	59,365	58,444
Clinical fields	1,670	1,845	1,832	1,952	1,972	1,962	2,099	2,305
Dental sciences	935	1,006	1,000	1,080	1,170	1,204	1,199	1,213
Nursing	19,094	21,232	22,116	21,505	21,139	20,424	19,979	18,741
Pharmaceutical sciences	2,343	2,330	2,255	2,311	2,163	2,202	2,672	2,943
Preventive medicine/community health	6,885	6,950	7,255	7,131	7,000	7,343	7,534	7,048
Speech pathology/audiology	8,800	9,423	9,918	10,778	11,063	10,887	11,342	11,317
Veterinary sciences	849	854	921	945	1,172	1,235	1,267	1,322
Other health fields	9,147	9,527	10,158	11,664	11,933	12,794	13,273	13,555

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 17. Graduate students in science, engineering, and health fields in private institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	151,468	150,929	149,643	148,743	147,129	147,152	149,038	146,936
Total, science and engineering fields	132,485	130,694	127,786	127,062	125,022	124,252	126,250	125,356
Sciences, total	97,973	97,469	96,493	96,746	95,194	94,760	96,678	96,472
Physical sciences, total	9,545	9,321	8,861	8,678	8,357	8,016	8,147	7,949
Astronomy	301	382	356	349	307	311	321	346
Chemistry	5,482	5,362	5,163	5,148	4,927	4,713	4,809	4,629
Physics	3,751	3,544	3,311	3,167	3,106	2,967	3,009	2,965
Physical sciences, n.e.c.	11	33	31	14	17	25	8	9
Earth, atmos., & ocean sci., total	2,728	2,853	2,550	2,395	2,219	2,209	2,217	2,148
Atmospheric sciences	18	19	25	20	24	23	17	25
Geosciences	1,401	1,414	1,329	1,260	1,195	1,186	1,159	1,138
Oceanography	477	559	440	414	391	383	407	403
Earth, atmos., & ocean sci., n.e.c.	832	861	756	701	609	617	634	582
Mathematical sciences	4,355	4,375	4,256	4,137	3,994	3,965	3,902	3,364
Computer sciences	14,654	13,568	12,900	13,744	13,796	14,426	16,030	18,158
Agricultural sciences	484	562	525	492	463	490	470	506
Biological sciences, total	15,011	15,594	16,260	16,134	16,042	15,932	16,106	15,941
Anatomy	211	221	212	235	233	231	213	228
Biochemistry	1,788	1,701	1,671	1,545	1,492	1,515	1,516	1,450
Biology	3,590	3,518	3,713	3,706	3,826	3,713	3,530	3,311
Biometry/epidemiology	930	978	1,088	1,224	1,166	1,346	1,313	1,273
Biophysics	354	379	373	374	329	320	294	302
Botany	141	122	140	137	144	139	142	93
Cell biology	1,341	1,536	1,597	1,608	1,705	1,640	1,762	1,783
Ecology	176	179	190	165	146	144	178	180
Entomology/parasitology	61	70	62	63	60	59	58	49
Genetics	638	616	623	610	616	630	659	648
Microbio., immunology, & virology	1,486	1,524	1,518	1,512	1,488	1,515	1,595	1,608
Nutrition	865	1,016	1,132	1,073	918	810	858	966
Pathology	563	628	614	597	611	506	527	516
Pharmacology	780	860	838	866	847	901	909	905
Physiology	813	857	992	938	925	810	759	818
Zoology	66	77	92	72	71	64	62	39
Biosciences, n.e.c.	1,208	1,312	1,405	1,409	1,465	1,589	1,731	1,772
Psychology	24,983	25,051	24,444	24,919	24,629	24,456	24,385	23,878
Social sciences, total	26,213	26,145	26,697	26,247	25,694	25,266	25,421	24,528
Agricultural economics	112	115	133	86	70	67	65	60
Anthropology (cultural & social)	1,904	2,019	2,091	2,095	2,066	2,063	1,993	1,984
Economics (except agricultural)	4,446	4,315	4,318	4,127	3,844	3,805	3,639	3,743
Geography	326	334	294	318	293	308	325	321
Linguistics	835	860	811	875	840	786	736	695
Political science	12,451	12,334	12,429	12,137	11,743	11,455	11,314	11,290
Sociology	2,258	2,255	2,293	2,205	2,203	1,992	2,124	2,034
Sociology/anthropology	197	191	192	186	169	164	125	135
Social sciences, n.e.c.	3,684	3,722	4,136	4,218	4,466	4,626	5,100	4,266
Engineering, total	34,512	33,225	31,293	30,316	29,828	29,492	29,572	28,884
Aerospace engineering	814	798	745	773	751	826	1,010	1,022
Agricultural engineering	48	55	56	53	48	45	46	54
Biomedical engineering	1,036	1,109	1,076	1,032	1,003	1,063	1,130	1,193
Chemical engineering	1,984	2,016	1,984	2,025	2,074	2,004	1,996	1,968
Civil engineering	4,840	4,977	4,684	4,437	3,993	3,866	3,531	3,486
Electrical engineering	12,248	11,107	10,111	10,213	10,417	10,904	10,278	10,121
Engineering science	748	721	661	499	525	632	517	632
Industrial/manufacturing eng.	4,379	4,486	4,573	4,329	4,178	3,539	3,836	3,650
Mechanical engineering	4,988	4,769	4,219	3,914	3,879	3,579	3,721	3,618
Metallurgical/materials eng.	1,656	1,553	1,491	1,427	1,408	1,453	1,373	1,230
Nuclear engineering	212	184	179	154	117	106	114	120
Engineering, n.e.c.	1,559	1,450	1,514	1,460	1,435	1,475	2,020	1,790
Total, health fields	18,983	20,235	21,857	21,681	22,107	22,900	22,788	21,580
Clinical fields	1,227	1,268	1,277	1,193	1,354	1,384	1,359	1,402
Dental sciences	293	292	338	308	321	314	268	217
Nursing	5,687	5,765	6,289	5,883	5,722	5,167	5,095	4,600
Pharmaceutical sciences	516	557	553	535	547	680	750	662
Preventive medicine/community health	3,116	3,530	3,631	3,467	3,460	4,176	4,456	3,822
Speech pathology/audiology	1,940	2,050	2,174	2,195	2,257	2,444	2,258	2,338
Veterinary sciences	75	68	54	52	52	53	47	45
Other health fields	6,129	6,705	7,541	8,048	8,394	8,682	8,555	8,494

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 18. Full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	329,701	332,149	329,356	328,628	327,385	327,522	334,421	342,121
Total, science and engineering fields	293,902	292,975	287,164	284,033	280,664	278,941	283,911	292,026
Sciences, total	220,094	221,405	219,382	218,174	214,976	213,506	215,888	219,421
Physical sciences, total	30,616	30,049	28,879	27,931	26,882	26,391	26,635	26,552
Astronomy	828	953	871	854	768	787	808	823
Chemistry	17,204	17,104	16,736	16,479	15,992	15,777	15,959	15,707
Physics	12,397	11,766	11,052	10,400	9,923	9,661	9,660	9,811
Physical sciences, n.e.c.	187	226	220	198	199	166	208	211
Earth, atmos., & ocean sci., total	11,346	11,446	11,259	10,795	10,510	10,444	10,484	10,559
Atmospheric sciences	980	993	959	980	966	856	793	844
Geosciences	5,962	5,933	5,786	5,576	5,413	5,212	5,238	5,259
Oceanography	2,180	2,340	2,235	2,075	1,973	2,048	2,123	2,164
Earth, atmos., & ocean sci., n.e.c.	2,224	2,180	2,279	2,164	2,158	2,328	2,330	2,292
Mathematical sciences	14,530	14,226	13,410	12,966	12,144	11,751	11,796	11,732
Computer sciences	17,401	16,701	16,510	17,195	18,335	19,972	22,708	26,644
Agricultural sciences	9,446	9,479	9,605	9,297	9,096	8,986	9,156	9,113
Biological sciences, total	46,367	47,961	48,285	47,684	46,923	46,992	47,107	47,026
Anatomy	913	922	904	950	942	868	844	884
Biochemistry	5,150	5,205	5,212	4,977	4,811	4,881	4,800	4,712
Biology	10,059	10,132	9,985	10,050	10,318	10,031	9,904	9,680
Biometry/epidemiology	1,990	2,056	2,093	2,162	2,005	2,583	2,581	2,541
Biophysics	755	770	800	807	728	707	681	717
Botany	2,353	2,349	2,149	2,130	2,051	1,993	1,950	1,893
Cell biology	3,253	3,657	3,798	3,796	3,793	3,884	4,102	4,251
Ecology	1,057	1,203	1,304	1,243	1,172	1,202	1,240	1,238
Entomology/parasitology	1,039	1,066	1,041	1,027	995	1,000	971	979
Genetics	1,690	1,602	1,619	1,653	1,666	1,621	1,667	1,642
Microbio., immunology, & virology	4,566	4,660	4,634	4,490	4,373	4,377	4,483	4,502
Nutrition	3,045	3,248	3,460	3,514	3,320	3,208	3,187	3,144
Pathology	1,296	1,389	1,382	1,355	1,420	1,339	1,364	1,290
Pharmacology	2,506	2,681	2,539	2,510	2,461	2,562	2,579	2,623
Physiology	2,220	2,221	2,376	2,217	2,102	1,990	1,890	1,868
Zoology	1,669	1,653	1,684	1,569	1,459	1,370	1,326	1,272
Biosciences, n.e.c.	2,806	3,147	3,305	3,234	3,307	3,376	3,538	3,790
Psychology	34,782	35,288	35,222	35,412	35,551	35,148	34,705	35,066
Social sciences, total	55,606	56,255	56,212	56,894	55,535	53,822	53,297	52,729
Agricultural economics	1,963	1,936	1,977	1,784	1,718	1,670	1,685	1,780
Anthropology (cultural & social)	5,429	5,837	5,792	6,003	5,799	5,734	5,814	5,624
Economics (except agricultural)	10,107	9,945	9,743	9,548	8,813	8,564	8,390	8,652
Geography	3,026	3,119	2,962	2,959	2,967	2,908	2,786	2,663
Linguistics	2,538	2,518	2,486	2,530	2,420	2,286	2,182	2,104
Political science	18,372	17,918	17,630	17,669	17,071	16,316	16,178	16,099
Sociology	6,625	6,720	6,692	6,610	6,717	6,460	6,278	6,137
Sociology/anthropology	639	693	663	620	666	615	518	524
Social sciences, n.e.c.	6,907	7,569	8,267	9,171	9,364	9,269	9,466	9,146
Engineering, total	73,808	71,570	67,782	65,859	65,688	65,435	68,023	72,605
Aerospace engineering	3,262	3,000	2,693	2,576	2,529	2,565	2,645	2,759
Agricultural engineering	835	879	859	799	748	756	767	706
Biomedical engineering	2,269	2,292	2,315	2,316	2,462	2,513	2,742	2,874
Chemical engineering	6,079	6,136	5,985	5,939	5,821	5,630	5,593	5,865
Civil engineering	12,458	12,641	12,248	11,791	11,406	11,154	11,237	11,765
Electrical engineering	20,343	19,385	18,167	17,967	18,854	19,470	20,219	22,821
Engineering science	1,397	1,347	1,243	1,057	1,018	1,114	1,035	1,098
Industrial/manufacturing eng.	5,950	5,960	5,389	5,166	5,116	4,894	5,500	6,089
Mechanical engineering	12,395	11,875	11,128	10,690	10,432	10,073	10,331	10,929
Metallurgical/materials eng.	4,294	4,143	3,912	3,724	3,694	3,736	3,563	3,601
Nuclear engineering	1,070	997	883	771	708	662	641	660
Engineering, n.e.c.	3,456	2,915	2,960	3,063	2,900	2,868	3,750	3,438
Total, health fields	35,799	39,174	42,192	44,595	46,721	48,581	50,510	50,095
Clinical fields	2,217	2,374	2,347	2,395	2,689	2,562	2,713	2,869
Dental sciences	1,058	1,078	1,150	1,178	1,290	1,284	1,226	1,301
Nursing	6,875	7,914	8,561	8,653	9,035	9,053	9,469	8,950
Pharmaceutical sciences	2,122	2,175	2,138	2,215	2,225	2,258	2,609	2,764
Preventive medicine/community health	5,342	5,432	5,926	5,815	5,878	6,611	6,968	6,272
Speech pathology/audiology	8,109	8,707	9,064	9,649	9,907	10,141	10,432	10,428
Veterinary sciences	734	741	772	783	1,028	1,048	1,052	1,154
Other health fields	9,342	10,753	12,234	13,907	14,669	15,624	16,041	16,357

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 19. Male full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	200,782	197,429	191,202	187,120	183,396	180,997	182,936	186,805
Total, science and engineering fields	190,785	186,622	179,769	174,688	170,166	167,319	169,061	173,278
Sciences, total	128,174	126,630	123,489	120,656	116,986	114,711	114,561	115,550
Physical sciences, total	22,891	22,281	21,222	20,395	19,454	19,034	19,065	18,791
Astronomy	658	732	657	630	564	566	590	573
Chemistry	11,465	11,309	11,004	10,818	10,384	10,278	10,315	9,958
Physics	10,658	10,093	9,431	8,839	8,386	8,086	8,024	8,118
Physical sciences, n.e.c.	110	147	130	108	120	104	136	142
Earth, atmos., & ocean sci., total	7,799	7,659	7,379	6,941	6,650	6,374	6,171	6,121
Atmospheric sciences	783	775	742	773	729	641	567	599
Geosciences	4,335	4,166	3,995	3,778	3,611	3,388	3,312	3,268
Oceanography	1,385	1,480	1,363	1,236	1,152	1,129	1,122	1,109
Earth, atmos., & ocean sci., n.e.c.	1,296	1,238	1,279	1,154	1,158	1,216	1,170	1,145
Mathematical sciences	10,096	9,810	9,213	8,797	8,171	7,797	7,662	7,661
Computer sciences	13,811	13,152	12,860	13,102	13,536	14,520	16,327	19,158
Agricultural sciences	6,261	6,151	6,142	5,839	5,584	5,385	5,362	5,168
Biological sciences, total	24,846	25,444	25,256	24,686	23,969	23,609	23,200	22,740
Anatomy	489	478	481	523	507	474	451	460
Biochemistry	2,964	3,008	2,956	2,829	2,765	2,780	2,692	2,617
Biology	5,426	5,501	5,310	5,311	5,305	5,097	4,961	4,800
Biometry/epidemiology	887	882	872	884	784	1,015	953	914
Biophysics	533	554	568	567	517	509	479	500
Botany	1,409	1,354	1,202	1,164	1,084	1,025	1,002	937
Cell biology	1,742	1,978	2,051	2,026	2,060	2,044	2,068	2,121
Ecology	565	641	705	662	606	607	595	585
Entomology/parasitology	709	710	698	680	636	645	619	583
Genetics	811	748	789	799	774	710	730	712
Microbio., immunology, & virology	2,363	2,416	2,399	2,299	2,220	2,218	2,221	2,239
Nutrition	1,004	990	1,018	1,018	879	852	802	786
Pathology	707	773	751	704	727	666	669	588
Pharmacology	1,330	1,403	1,312	1,288	1,293	1,317	1,316	1,307
Physiology	1,326	1,319	1,394	1,314	1,243	1,182	1,087	1,054
Zoology	998	955	987	894	828	749	739	691
Biosciences, n.e.c.	1,583	1,734	1,763	1,724	1,741	1,719	1,816	1,846
Psychology	11,189	11,131	10,903	10,775	10,833	10,509	10,082	9,891
Social sciences, total	31,281	31,002	30,514	30,121	28,789	27,483	26,602	26,020
Agricultural economics	1,358	1,302	1,314	1,195	1,135	1,103	1,091	1,100
Anthropology (cultural & social)	2,258	2,384	2,434	2,435	2,368	2,292	2,295	2,188
Economics (except agricultural)	7,253	7,091	6,844	6,640	6,068	5,844	5,655	5,703
Geography	1,966	2,028	1,869	1,878	1,828	1,762	1,636	1,584
Linguistics	1,053	997	981	943	844	781	782	754
Political science	10,595	10,226	9,889	9,755	9,279	8,833	8,517	8,303
Sociology	2,766	2,715	2,719	2,689	2,670	2,467	2,312	2,239
Sociology/anthropology	308	278	269	258	263	241	180	200
Social sciences, n.e.c.	3,724	3,981	4,195	4,328	4,334	4,100	4,224	3,949
Engineering, total	62,611	59,992	56,280	54,032	53,180	52,608	54,500	57,728
Aerospace engineering	2,971	2,722	2,417	2,293	2,226	2,251	2,320	2,385
Agricultural engineering	709	704	679	619	560	545	546	476
Biomedical engineering	1,685	1,703	1,689	1,678	1,733	1,748	1,840	1,921
Chemical engineering	4,908	4,940	4,756	4,615	4,451	4,233	4,197	4,316
Civil engineering	9,934	9,855	9,431	8,937	8,495	8,213	8,192	8,457
Electrical engineering	17,906	16,996	15,727	15,427	16,043	16,416	16,962	19,067
Engineering science	1,195	1,145	1,061	883	843	892	838	879
Industrial/manufacturing eng.	4,770	4,651	4,229	4,069	4,009	3,810	4,364	4,746
Mechanical engineering	11,210	10,658	9,993	9,500	9,143	8,840	9,069	9,576
Metallurgical/materials eng.	3,482	3,289	3,082	2,893	2,819	2,829	2,715	2,751
Nuclear engineering	926	880	776	649	586	551	530	535
Engineering, n.e.c.	2,915	2,449	2,440	2,469	2,272	2,280	2,927	2,619
Total, health fields	9,997	10,807	11,433	12,432	13,230	13,678	13,875	13,527
Clinical fields	1,110	1,126	1,111	1,156	1,319	1,271	1,333	1,388
Dental sciences	739	740	761	759	797	805	768	799
Nursing	546	609	707	786	899	990	1,103	1,087
Pharmaceutical sciences	1,196	1,216	1,186	1,217	1,164	1,182	1,305	1,370
Preventive medicine/community health	2,116	2,153	2,252	2,296	2,319	2,464	2,432	2,089
Speech pathology/audiology	665	690	695	746	785	805	835	715
Veterinary sciences	307	396	398	410	505	484	442	508
Other health fields	3,228	3,877	4,323	5,062	5,442	5,677	5,657	5,571

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 20. Female full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	128,919	134,720	138,154	141,508	143,989	146,525	151,485	155,316
Total, science and engineering fields	103,117	106,353	107,395	109,345	110,498	111,622	114,850	118,748
Sciences, total	91,920	94,775	95,893	97,518	97,990	98,795	101,327	103,871
Physical sciences, total	7,725	7,768	7,657	7,536	7,428	7,357	7,570	7,761
Astronomy	190	221	214	224	204	221	218	250
Chemistry	5,739	5,795	5,732	5,661	5,608	5,499	5,644	5,749
Physics	1,739	1,673	1,621	1,561	1,537	1,575	1,636	1,693
Physical sciences, n.e.c.	57	79	90	90	79	62	72	69
Earth, atmos., & ocean sci., total	3,547	3,787	3,880	3,854	3,860	4,070	4,313	4,438
Atmospheric sciences	197	218	217	207	237	215	226	245
Geosciences	1,627	1,767	1,791	1,798	1,802	1,824	1,926	1,991
Oceanography	795	860	872	839	821	919	1,001	1,055
Earth, atmos., & ocean sci., n.e.c.	928	942	1,000	1,010	1,000	1,112	1,160	1,147
Mathematical sciences	4,434	4,416	4,197	4,169	3,973	3,954	4,134	4,071
Computer sciences	3,590	3,549	3,650	4,093	4,799	5,452	6,381	7,486
Agricultural sciences	3,185	3,328	3,463	3,458	3,512	3,601	3,794	3,945
Biological sciences, total	21,521	22,517	23,029	22,998	22,954	23,383	23,907	24,286
Anatomy	424	444	423	427	435	394	393	424
Biochemistry	2,186	2,197	2,256	2,148	2,046	2,101	2,108	2,095
Biology	4,633	4,631	4,675	4,739	5,013	4,934	4,943	4,880
Biometry/epidemiology	1,103	1,174	1,221	1,278	1,221	1,568	1,628	1,627
Biophysics	222	216	232	240	211	198	202	217
Botany	944	995	947	966	967	968	948	956
Cell biology	1,511	1,679	1,747	1,770	1,733	1,840	2,034	2,130
Ecology	492	562	599	581	566	595	645	653
Entomology/parasitology	330	356	343	347	359	355	352	396
Genetics	879	854	830	854	892	911	937	930
Microbio., immunology, & virology	2,203	2,244	2,235	2,191	2,153	2,159	2,262	2,263
Nutrition	2,041	2,258	2,442	2,496	2,441	2,356	2,385	2,358
Pathology	589	616	631	651	693	673	695	702
Pharmacology	1,176	1,278	1,227	1,222	1,168	1,245	1,263	1,316
Physiology	894	902	982	903	859	808	803	814
Zoology	671	698	697	675	631	621	587	581
Biosciences, n.e.c.	1,223	1,413	1,542	1,510	1,566	1,657	1,722	1,944
Psychology	23,593	24,157	24,319	24,637	24,718	24,639	24,623	25,175
Social sciences, total	24,325	25,253	25,698	26,773	26,746	26,339	26,605	26,709
Agricultural economics	605	634	663	589	583	567	594	680
Anthropology (cultural & social)	3,171	3,453	3,358	3,568	3,431	3,442	3,519	3,436
Economics (except agricultural)	2,854	2,854	2,899	2,908	2,745	2,720	2,735	2,949
Geography	1,060	1,091	1,093	1,081	1,139	1,146	1,150	1,079
Linguistics	1,485	1,521	1,505	1,587	1,576	1,505	1,400	1,350
Political science	7,777	7,692	7,741	7,914	7,792	7,483	7,661	7,796
Sociology	3,859	4,005	3,973	3,921	4,047	3,993	3,966	3,898
Sociology/anthropology	331	415	394	362	403	374	338	324
Social sciences, n.e.c.	3,183	3,588	4,072	4,843	5,030	5,109	5,242	5,197
Engineering, total	11,197	11,578	11,502	11,827	12,508	12,827	13,523	14,877
Aerospace engineering	291	278	276	283	303	314	325	374
Agricultural engineering	126	175	180	180	188	211	221	230
Biomedical engineering	584	589	626	638	729	765	902	953
Chemical engineering	1,171	1,196	1,229	1,324	1,370	1,397	1,396	1,549
Civil engineering	2,524	2,786	2,817	2,854	2,911	2,941	3,045	3,308
Electrical engineering	2,437	2,389	2,440	2,540	2,811	3,054	3,257	3,754
Engineering science	202	202	182	174	175	222	197	219
Industrial/manufacturing eng.	1,160	1,309	1,160	1,097	1,107	1,084	1,136	1,343
Mechanical engineering	1,185	1,217	1,135	1,190	1,289	1,233	1,262	1,353
Metallurgical/materials eng.	812	854	830	831	875	907	848	850
Nuclear engineering	144	117	107	122	122	111	111	125
Engineering, n.e.c.	541	466	520	594	628	588	823	819
Total, health fields	25,802	28,367	30,759	32,163	33,491	34,903	36,635	36,568
Clinical fields	1,107	1,248	1,236	1,239	1,370	1,291	1,380	1,481
Dental sciences	319	338	389	419	493	479	458	502
Nursing	6,329	7,305	7,854	7,867	8,136	8,063	8,366	7,863
Pharmaceutical sciences	926	959	952	998	1,061	1,076	1,304	1,394
Preventive medicine/community health	3,226	3,279	3,674	3,519	3,559	4,147	4,536	4,183
Speech pathology/audiology	7,444	8,017	8,369	8,903	9,122	9,336	9,597	9,713
Veterinary sciences	337	345	374	373	523	564	610	646
Other health fields	6,114	6,876	7,911	8,845	9,227	9,947	10,384	10,786

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 21. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

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Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	329,701	332,149	329,356	328,628	327,385	327,522	334,421	342,121
Total U.S. citizens and permanent residents	236,344	242,324	242,644	241,251	238,676	236,498	236,266	232,557
American Indian/Alaskan Native	1,062	1,137	1,254	1,306	1,361	1,339	1,292	1,365
Asian/Pacific Islander	16,945	19,178	19,080	19,496	20,051	20,945	21,638	20,547
Black, non-Hispanic	11,385	11,965	12,506	12,992	13,568	13,782	13,973	15,059
Hispanic	9,797	9,877	11,042	11,306	11,547	11,955	12,814	13,657
Other or unknown	10,001	8,762	10,759	10,329	11,346	11,136	10,940	12,909
White, non-Hispanic	187,154	191,405	188,003	185,822	180,803	177,341	175,609	169,020
Students with temporary visas	93,357	89,825	86,712	87,377	88,709	91,024	98,155	109,564
Total, science and engineering	293,902	292,975	287,164	284,033	280,664	278,941	283,911	292,026
Total U.S. citizens and permanent residents	204,402	206,805	204,107	200,669	195,969	191,943	190,117	186,977
American Indian/Alaskan Native	896	959	1,055	1,066	1,123	1,098	1,028	1,103
Asian/Pacific Islander	15,187	17,163	16,769	16,800	17,046	17,563	18,076	16,899
Black, non-Hispanic	9,899	10,345	10,668	10,983	11,401	11,299	11,223	12,114
Hispanic	8,199	8,181	9,080	9,274	9,552	9,895	10,292	10,855
Other or unknown	8,960	7,413	9,077	8,738	9,396	9,357	9,131	10,849
White, non-Hispanic	161,261	162,744	157,458	153,788	147,451	142,731	140,367	135,157
Students with temporary visas	89,500	86,170	83,057	83,364	84,695	86,998	93,794	105,049
Sciences, total	220,094	221,405	219,382	218,174	214,976	213,506	215,888	219,421
Total U.S. citizens and permanent residents	163,192	165,653	165,515	164,193	161,092	158,557	157,776	155,092
American Indian/Alaskan Native	775	825	920	946	983	962	907	992
Asian/Pacific Islander	10,326	11,434	11,623	11,585	12,326	12,759	13,088	12,091
Black, non-Hispanic	8,408	8,642	8,977	9,318	9,727	9,721	9,617	10,399
Hispanic	6,681	6,562	7,458	7,617	7,963	8,251	8,676	9,143
Other or unknown	6,074	5,510	6,867	6,713	7,393	7,588	7,535	8,795
White, non-Hispanic	130,928	132,680	129,670	127,614	122,700	119,276	117,953	113,672
Students with temporary visas	56,902	55,752	53,867	53,981	53,884	54,949	58,112	64,329
Physical sciences	30,616	30,049	28,879	27,931	26,882	26,391	26,635	26,552
Total U.S. citizens and permanent residents	19,236	19,136	18,403	17,632	16,805	16,468	16,300	15,732
American Indian/Alaskan Native	73	60	66	55	58	57	62	65
Asian/Pacific Islander	1,652	1,600	1,462	1,422	1,345	1,442	1,400	1,317
Black, non-Hispanic	690	709	729	769	741	728	700	691
Hispanic	591	575	585	603	648	680	728	683
Other or unknown	544	536	754	612	719	706	628	707
White, non-Hispanic	15,686	15,656	14,807	14,171	13,294	12,855	12,782	12,269
Students with temporary visas	11,380	10,913	10,476	10,299	10,077	9,923	10,335	10,820
Earth, atmos., & ocean sci.	11,346	11,446	11,259	10,795	10,510	10,444	10,484	10,559
Total U.S. citizens and permanent residents	8,661	8,586	8,673	8,399	8,289	8,258	8,268	8,156
American Indian/Alaskan Native	29	38	40	42	46	57	42	46
Asian/Pacific Islander	371	325	317	291	288	304	292	272
Black, non-Hispanic	142	129	135	128	137	134	137	158
Hispanic	289	239	259	259	272	253	304	295
Other or unknown	329	192	279	257	315	362	330	298
White, non-Hispanic	7,501	7,663	7,643	7,422	7,231	7,148	7,163	7,087
Students with temporary visas	2,685	2,860	2,586	2,396	2,221	2,186	2,216	2,403

See explanatory information, if any, and SOURCE at end of table.

Table 21. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Mathematical sciences	14,530	14,226	13,410	12,966	12,144	11,751	11,796	11,732
Total U.S. citizens and permanent residents	9,056	8,876	8,291	7,885	7,262	7,061	6,588	6,350
American Indian/Alaskan Native	13	26	41	31	32	22	20	14
Asian/Pacific Islander	648	802	738	755	693	771	626	599
Black, non-Hispanic	411	412	423	422	386	355	342	344
Hispanic	258	213	234	216	242	260	274	273
Other or unknown	678	430	412	323	337	367	335	396
White, non-Hispanic	7,048	6,993	6,443	6,138	5,572	5,286	4,991	4,724
Students with temporary visas	5,474	5,350	5,119	5,081	4,882	4,690	5,208	5,382
Computer sciences	17,401	16,701	16,510	17,195	18,335	19,972	22,708	26,644
Total U.S. citizens and permanent residents	9,019	8,757	8,627	8,400	8,578	9,042	9,960	9,794
American Indian/Alaskan Native	28	11	23	21	22	47	33	39
Asian/Pacific Islander	1,505	1,697	1,646	1,732	1,964	2,299	2,869	2,380
Black, non-Hispanic	460	465	485	475	494	476	540	609
Hispanic	218	216	257	237	242	266	296	286
Other or unknown	759	414	469	480	624	568	605	773
White, non-Hispanic	6,049	5,954	5,747	5,455	5,232	5,386	5,617	5,707
Students with temporary visas	8,382	7,944	7,883	8,795	9,757	10,930	12,748	16,850
Agricultural sciences	9,446	9,479	9,605	9,297	9,096	8,986	9,156	9,113
Total U.S. citizens and permanent residents	6,654	6,685	6,869	6,740	6,745	6,760	7,011	7,050
American Indian/Alaskan Native	31	28	46	37	47	57	50	41
Asian/Pacific Islander	227	214	216	221	237	240	245	193
Black, non-Hispanic	161	162	227	194	175	208	202	218
Hispanic	255	218	221	281	297	290	312	338
Other or unknown	161	150	225	180	262	210	212	301
White, non-Hispanic	5,819	5,913	5,934	5,827	5,727	5,755	5,990	5,959
Students with temporary visas	2,792	2,794	2,736	2,557	2,351	2,226	2,145	2,063
Biological sciences	46,367	47,961	48,285	47,684	46,923	46,992	47,107	47,026
Total U.S. citizens and permanent residents	34,452	36,199	37,167	37,197	36,704	36,539	36,871	36,178
American Indian/Alaskan Native	123	141	160	158	165	161	142	159
Asian/Pacific Islander	2,898	3,413	3,757	3,870	3,824	3,821	3,866	3,630
Black, non-Hispanic	1,346	1,372	1,451	1,513	1,727	1,651	1,700	1,745
Hispanic	1,333	1,343	1,479	1,469	1,615	1,659	1,758	1,731
Other or unknown	894	921	1,212	1,188	1,386	1,529	1,754	1,834
White, non-Hispanic	27,858	29,009	29,108	28,999	27,987	27,718	27,651	27,079
Students with temporary visas	11,915	11,762	11,118	10,487	10,219	10,453	10,236	10,848
Psychology	34,782	35,288	35,222	35,412	35,551	35,148	34,705	35,066
Total U.S. citizens and permanent residents	33,196	33,430	33,574	33,789	33,881	33,410	32,968	33,210
American Indian/Alaskan Native	214	234	255	270	263	222	222	273
Asian/Pacific Islander	1,090	1,160	1,168	1,320	1,438	1,464	1,529	1,608
Black, non-Hispanic	1,854	2,046	2,028	2,084	2,221	2,417	2,211	2,599
Hispanic	1,610	1,505	1,944	2,049	2,096	2,305	2,458	2,941
Other or unknown	1,189	1,347	1,515	1,505	1,582	1,558	1,678	1,840
White, non-Hispanic	27,239	27,138	26,664	26,561	26,281	25,444	24,870	23,949
Students with temporary visas	1,586	1,858	1,648	1,623	1,670	1,738	1,737	1,856

See explanatory information, if any, and SOURCE at end of table.

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Table 21. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

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Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Social sciences	55,606	56,255	56,212	56,894	55,535	53,822	53,297	52,729
Total U.S. citizens and permanent residents	42,918	43,984	43,911	44,151	42,828	41,019	39,810	38,622
American Indian/Alaskan Native	264	287	289	332	350	339	336	355
Asian/Pacific Islander	1,935	2,223	2,319	2,374	2,537	2,418	2,261	2,092
Black, non-Hispanic	3,344	3,347	3,499	3,733	3,846	3,752	3,785	4,035
Hispanic	2,127	2,253	2,479	2,503	2,551	2,538	2,546	2,596
Other or unknown	1,520	1,520	2,001	2,168	2,168	2,288	1,993	2,646
White, non-Hispanic	33,728	34,354	33,324	33,041	31,376	29,684	28,889	26,898
Students with temporary visas	12,688	12,271	12,301	12,743	12,707	12,803	13,487	14,107
Engineering, total	73,808	71,570	67,782	65,859	65,688	65,435	68,023	72,605
Total U.S. citizens and permanent residents	41,210	41,152	38,592	36,476	34,877	33,386	32,341	31,885
American Indian/Alaskan Native	121	134	135	140	140	136	121	111
Asian/Pacific Islander	4,861	5,729	5,146	4,815	4,720	4,804	4,988	4,808
Black, non-Hispanic	1,491	1,703	1,691	1,665	1,674	1,578	1,606	1,715
Hispanic	1,518	1,619	1,622	1,657	1,589	1,644	1,616	1,712
Other or unknown	2,886	1,903	2,210	2,025	2,003	1,769	1,596	2,054
White, non-Hispanic	30,333	30,064	27,788	26,174	24,751	23,455	22,414	21,485
Students with temporary visas	32,598	30,418	29,190	29,383	30,811	32,049	35,682	40,720
Chemical engineering	6,079	6,136	5,985	5,939	5,821	5,630	5,593	5,865
Total U.S. citizens and permanent residents	3,128	3,381	3,314	3,382	3,281	3,059	2,826	2,813
American Indian/Alaskan Native	12	15	18	21	13	16	13	17
Asian/Pacific Islander	348	395	351	378	405	356	384	438
Black, non-Hispanic	116	133	135	145	130	126	101	125
Hispanic	132	134	164	159	115	146	152	145
Other or unknown	106	115	106	140	118	109	102	131
White, non-Hispanic	2,414	2,589	2,540	2,539	2,500	2,306	2,074	1,957
Students with temporary visas	2,951	2,755	2,671	2,557	2,540	2,571	2,767	3,052
Civil engineering	12,458	12,641	12,248	11,791	11,406	11,154	11,237	11,765
Total U.S. citizens and permanent residents	7,440	7,848	7,652	7,509	7,082	6,871	6,492	6,348
American Indian/Alaskan Native	26	23	27	36	41	26	30	21
Asian/Pacific Islander	601	776	760	719	627	721	624	498
Black, non-Hispanic	229	230	261	242	247	230	247	278
Hispanic	337	354	378	452	442	464	457	518
Other or unknown	321	253	334	354	281	294	295	284
White, non-Hispanic	5,926	6,212	5,892	5,706	5,444	5,136	4,839	4,749
Students with temporary visas	5,018	4,793	4,596	4,282	4,324	4,283	4,745	5,417
Electrical engineering	20,343	19,385	18,167	17,967	18,854	19,470	20,219	22,821
Total U.S. citizens and permanent residents	10,394	10,441	9,365	8,688	8,475	8,089	7,478	7,558
American Indian/Alaskan Native	25	23	28	26	25	13	18	19
Asian/Pacific Islander	1,690	2,152	1,895	1,831	1,766	1,821	1,906	1,834
Black, non-Hispanic	479	538	484	445	481	466	452	427
Hispanic	418	414	384	373	388	387	327	328
Other or unknown	810	643	702	611	714	538	389	732
White, non-Hispanic	6,972	6,671	5,872	5,402	5,101	4,864	4,386	4,218
Students with temporary visas	9,949	8,944	8,802	9,279	10,379	11,381	12,741	15,263

See explanatory information, if any, and SOURCE at end of table.

Table 21. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

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Field, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Industrial engineering	5,950	5,960	5,389	5,166	5,116	4,894	5,500	6,089
Total U.S. citizens and permanent residents	3,236	3,211	2,885	2,528	2,443	2,255	2,447	2,421
American Indian/Alaskan Native	14	10	5	8	8	9	15	16
Asian/Pacific Islander	394	363	337	285	324	306	379	320
Black, non-Hispanic	183	199	204	193	189	166	175	233
Hispanic	145	161	147	154	144	125	148	154
Other or unknown	317	164	256	145	127	126	113	183
White, non-Hispanic	2,183	2,314	1,936	1,743	1,651	1,523	1,617	1,515
Students with temporary visas	2,714	2,749	2,504	2,638	2,673	2,639	3,053	3,668
Mechanical engineering	12,395	11,875	11,128	10,690	10,432	10,073	10,331	10,929
Total U.S. citizens and permanent residents	7,228	7,090	6,548	6,024	5,591	5,212	5,007	4,875
American Indian/Alaskan Native	19	25	30	23	22	19	18	12
Asian/Pacific Islander	826	969	804	705	631	626	663	676
Black, non-Hispanic	225	283	285	298	315	285	250	260
Hispanic	215	250	257	237	234	238	231	211
Other or unknown	654	388	398	323	316	328	232	291
White, non-Hispanic	5,289	5,175	4,774	4,438	4,073	3,716	3,613	3,425
Students with temporary visas	5,167	4,785	4,580	4,666	4,841	4,861	5,324	6,054
Other engineering	16,583	15,573	14,865	14,306	14,059	14,214	15,143	15,136
Total U.S. citizens and permanent residents	9,784	9,181	8,828	8,345	8,005	7,900	8,091	7,870
American Indian/Alaskan Native	25	38	27	26	31	53	27	26
Asian/Pacific Islander	1,002	1,074	999	897	967	974	1,032	1,042
Black, non-Hispanic	259	320	322	342	312	305	381	392
Hispanic	271	306	292	282	266	284	301	356
Other or unknown	678	340	414	452	447	374	465	433
White, non-Hispanic	7,549	7,103	6,774	6,346	5,982	5,910	5,885	5,621
Students with temporary visas	6,799	6,392	6,037	5,961	6,054	6,314	7,052	7,266
Total, health fields	35,799	39,174	42,192	44,595	46,721	48,581	50,510	50,095
Total U.S. citizens and permanent residents	31,942	35,519	38,537	40,582	42,707	44,555	46,149	45,580
American Indian/Alaskan Native	166	178	199	220	238	241	264	262
Asian/Pacific Islander	1,758	2,015	2,311	2,696	3,005	3,382	3,562	3,648
Black, non-Hispanic	1,486	1,620	1,838	2,009	2,167	2,483	2,750	2,945
Hispanic	1,598	1,696	1,962	2,032	1,995	2,060	2,522	2,802
Other or unknown	1,041	1,349	1,682	1,591	1,950	1,779	1,809	2,060
White, non-Hispanic	25,893	28,661	30,545	32,034	33,352	34,610	35,242	33,863
Students with temporary visas	3,857	3,655	3,655	4,013	4,014	4,026	4,361	4,515

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 22. Full-time graduate science, engineering, and health students without U.S. citizenship or permanent resident status in all institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	93,357	89,825	86,712	87,377	88,709	91,024	98,155	109,564
Total, science and engineering fields	89,500	86,170	83,057	83,364	84,695	86,998	93,794	105,049
Sciences, total	56,902	55,752	53,867	53,981	53,884	54,949	58,112	64,329
Physical sciences, total	11,380	10,913	10,476	10,299	10,077	9,923	10,335	10,820
Astronomy	210	259	225	212	184	206	234	259
Chemistry	6,075	5,915	5,774	5,719	5,591	5,546	5,627	5,689
Physics	5,041	4,672	4,419	4,323	4,257	4,120	4,405	4,797
Physical sciences, n.e.c.	54	67	58	45	45	51	69	75
Earth, atmos., & ocean sci., total	2,685	2,860	2,586	2,396	2,221	2,186	2,216	2,403
Atmospheric sciences	272	250	248	268	281	234	257	283
Geosciences	1,520	1,559	1,390	1,300	1,178	1,119	1,110	1,182
Oceanography	557	671	583	510	471	483	463	489
Earth, atmos., & ocean sci., n.e.c.	336	380	365	318	291	350	386	449
Mathematical sciences	5,474	5,350	5,119	5,081	4,882	4,690	5,208	5,382
Computer sciences	8,382	7,944	7,883	8,795	9,757	10,930	12,748	16,850
Agricultural sciences	2,792	2,794	2,736	2,557	2,351	2,226	2,145	2,063
Biological sciences, total	11,915	11,762	11,118	10,487	10,219	10,453	10,236	10,848
Anatomy	230	215	232	204	202	184	188	207
Biochemistry	1,731	1,684	1,594	1,455	1,370	1,402	1,387	1,548
Biology	1,818	1,728	1,675	1,659	1,764	1,785	1,714	1,753
Biometry/epidemiology	542	533	500	468	436	606	627	689
Biophysics	214	208	198	175	170	162	151	202
Botany	817	739	639	627	610	621	595	566
Cell biology	736	855	807	800	782	798	786	917
Ecology	165	161	154	143	133	134	156	159
Entomology/parasitology	321	323	332	285	259	266	278	265
Genetics	367	348	340	373	399	380	366	362
Microbio., immunology, & virology	1,212	1,232	1,116	1,009	939	904	900	896
Nutrition	1,197	1,101	1,118	1,025	960	925	893	939
Pathology	339	335	322	319	281	278	283	288
Pharmacology	616	631	532	560	541	562	552	610
Physiology	597	574	509	420	401	417	433	425
Zoology	250	262	220	204	177	160	132	184
Biosciences, n.e.c.	763	833	830	761	795	869	795	838
Psychology	1,586	1,858	1,648	1,623	1,670	1,738	1,737	1,856
Social sciences, total	12,688	12,271	12,301	12,743	12,707	12,803	13,487	14,107
Agricultural economics	892	832	899	804	821	786	807	904
Anthropology (cultural & social)	675	681	584	592	596	637	701	693
Economics (except agricultural)	4,694	4,579	4,691	4,904	4,773	4,651	4,916	5,206
Geography	432	398	396	398	442	492	497	540
Linguistics	908	898	874	883	862	882	858	866
Political science	2,764	2,639	2,675	2,956	2,863	2,943	3,271	3,450
Sociology	1,152	1,065	943	936	990	942	1,013	1,073
Sociology/anthropology	72	77	77	67	73	87	63	67
Social sciences, n.e.c.	1,099	1,102	1,162	1,203	1,287	1,383	1,361	1,308
Engineering, total	32,598	30,418	29,190	29,383	30,811	32,049	35,682	40,720
Aerospace engineering	1,084	1,138	1,082	1,159	1,202	1,297	1,367	1,401
Agricultural engineering	432	441	445	406	351	358	369	333
Biomedical engineering	699	730	662	633	652	659	799	877
Chemical engineering	2,951	2,755	2,671	2,557	2,540	2,571	2,767	3,052
Civil engineering	5,018	4,793	4,596	4,282	4,324	4,283	4,745	5,417
Electrical engineering	9,949	8,944	8,802	9,279	10,379	11,381	12,741	15,263
Engineering science	573	514	418	426	398	485	469	576
Industrial/manufacturing eng.	2,714	2,749	2,504	2,638	2,673	2,639	3,053	3,668
Mechanical engineering	5,167	4,785	4,580	4,666	4,841	4,861	5,324	6,054
Metallurgical/materials eng.	1,996	1,779	1,722	1,736	1,772	1,842	1,851	1,956
Nuclear engineering	436	379	347	284	274	273	298	312
Engineering, n.e.c.	1,579	1,411	1,361	1,317	1,405	1,400	1,899	1,811
Total, health fields	3,857	3,655	3,655	4,013	4,014	4,026	4,361	4,515
Clinical fields	392	369	256	245	229	220	255	263
Dental sciences	258	224	260	309	329	317	272	336
Nursing	245	282	296	263	305	306	352	330
Pharmaceutical sciences	945	863	950	1,048	1,062	1,048	1,054	1,194
Preventive medicine/community health	870	728	736	816	788	825	936	754
Speech pathology/audiology	339	335	271	291	297	315	336	349
Veterinary sciences	240	225	254	284	286	259	285	307
Other health fields	568	629	632	757	718	736	871	982

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

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Table 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields:								
Total, all sources	329,701	332,149	329,356	328,628	327,385	327,522	334,421	342,121
Federal, total	67,688	68,566	67,310	65,251	64,529	63,759	65,809	67,625
Dept. of Defense	9,750	9,449	9,339	8,802	9,021	8,259	8,037	8,143
Dept. of Energy[1]	na	na	na	na	na	na	2,749	2,993
Dept. of HHS, total	22,038	22,680	22,787	22,371	22,537	22,704	23,418	23,482
NIH	18,137	18,295	18,111	17,932	18,087	18,215	19,001	19,489
Other HHS	3,901	4,385	4,676	4,439	4,450	4,489	4,417	3,993
NASA[2]	na	na	na	2,309	2,586	2,646	2,579	2,779
NSF	13,530	13,990	13,661	13,412	13,362	13,459	13,835	14,595
USDA	3,324	3,422	3,254	3,004	2,646	2,485	2,634	2,630
All other Federal	19,046	19,025	18,269	15,353	14,377	14,206	12,557	13,003
Institutional support	128,969	129,244	129,349	128,385	128,934	129,024	133,176	133,325
Other outside support, total	26,745	27,285	25,982	25,442	25,099	26,411	26,027	27,953
All other U.S.	21,264	21,567	20,435	20,193	20,251	22,157	22,101	24,110
Foreign	5,481	5,718	5,547	5,249	4,848	4,254	3,926	3,843
Self-support	106,299	107,054	106,715	109,550	108,823	108,328	109,409	113,218
Total, science and engineering:								
Total, all sources	293,902	292,975	287,164	284,033	280,664	278,941	283,911	292,026
Federal, total	60,375	60,778	59,398	57,838	56,798	55,810	57,351	59,254
Dept. of Defense	9,315	9,068	9,006	8,468	8,701	7,959	7,673	7,736
Dept. of Energy[1]	na	na	na	na	na	na	2,719	2,978
Dept. of HHS, total	16,814	17,140	17,102	16,901	16,816	16,740	17,228	17,676
NIH	15,859	15,942	15,664	15,472	15,352	15,308	15,975	16,306
Other HHS	955	1,198	1,438	1,429	1,464	1,432	1,253	1,370
NASA[2]	na	na	na	2,295	2,565	2,620	2,564	2,761
NSF	13,441	13,873	13,561	13,330	13,264	13,339	13,712	14,471
USDA	3,243	3,346	3,197	2,954	2,603	2,426	2,573	2,568
All other Federal	17,562	17,351	16,532	13,890	12,849	12,726	10,882	11,064
Institutional support	120,809	120,741	120,331	118,959	119,225	118,944	122,264	122,361
Other outside support, total	24,987	25,408	23,939	23,405	23,124	24,201	23,811	25,426
All other U.S.	19,958	20,152	18,926	18,586	18,762	20,379	20,305	21,940
Foreign	5,029	5,256	5,013	4,819	4,362	3,822	3,506	3,486
Self-support	87,731	86,048	83,496	83,831	81,517	79,986	80,485	84,985
Sciences, total:								
Total, all sources	220,094	221,405	219,382	218,174	214,976	213,506	215,888	219,421
Federal, total	43,474	43,905	43,025	41,992	40,909	40,289	41,446	42,566
Dept. of Defense	4,176	4,351	4,196	3,930	3,927	3,643	3,320	3,271
Dept. of Energy[1]	na	na	na	na	na	na	1,732	1,770
Dept. of HHS, total	15,890	16,234	16,184	16,066	15,901	15,839	16,267	16,543
NIH	15,065	15,160	14,896	14,741	14,586	14,554	15,131	15,309
Other HHS	825	1,074	1,288	1,325	1,315	1,285	1,136	1,234
NASA[2]	na	na	na	1,202	1,304	1,375	1,429	1,492
NSF	8,882	9,110	8,982	8,739	8,653	8,620	8,768	9,262
USDA	2,927	2,982	2,848	2,652	2,371	2,229	2,333	2,351
All other Federal	11,599	11,228	10,815	9,403	8,753	8,583	7,597	7,877
Institutional support	95,842	96,170	96,496	95,556	95,429	95,543	97,010	96,318
Other outside support, total	15,256	16,025	14,829	14,525	14,152	14,439	14,277	14,863
All other U.S.	11,877	12,385	11,471	11,246	11,230	11,825	11,888	12,464
Foreign	3,379	3,640	3,358	3,279	2,922	2,614	2,389	2,399
Self-support	65,522	65,305	65,032	66,101	64,486	63,235	63,155	65,674
Physical sciences:								
Total, all sources	30,616	30,049	28,879	27,931	26,882	26,391	26,635	26,552
Federal, total	11,140	11,032	10,339	9,875	9,450	9,123	9,239	9,233
Dept. of Defense	1,187	1,316	1,198	1,073	1,037	994	881	864
Dept. of Energy[1]	na	na	na	na	na	na	1,181	1,168
Dept. of HHS, total	2,162	2,209	2,066	2,066	1,955	1,891	1,844	1,970
NIH	2,051	2,074	1,886	1,783	1,639	1,631	1,655	1,764
Other HHS	111	135	180	283	316	260	189	206
NASA[2]	na	na	na	538	586	595	562	533
NSF	3,623	3,703	3,601	3,385	3,372	3,318	3,279	3,291
USDA	61	42	38	43	31	40	33	51
All other Federal	4,107	3,762	3,436	2,770	2,469	2,285	1,459	1,356
Institutional support	15,149	14,831	14,846	14,338	14,132	14,101	14,118	13,853
Other outside support, total	2,234	2,316	2,080	2,095	1,863	1,852	1,926	1,938
All other U.S.	1,955	2,008	1,793	1,801	1,645	1,663	1,754	1,770
Foreign	279	308	287	294	218	189	172	168
Self-support	2,093	1,870	1,614	1,623	1,437	1,315	1,352	1,528

See explanatory information, if any, and SOURCE at end of table.

Table 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Earth, atmos., & ocean sci.:								
Total, all sources	11,346	11,446	11,259	10,795	10,510	10,444	10,484	10,559
Federal, total	3,652	3,630	3,472	3,273	3,119	2,959	2,965	2,993
Dept. of Defense	517	494	410	393	366	336	336	280
Dept. of Energy[1]	na	na	na	na	na	na	124	144
Dept. of HHS, total	48	37	33	49	40	38	37	57
NIH	41	36	30	30	27	21	17	40
Other HHS	7	1	3	19	13	17	20	17
NASA[2]	na	na	na	331	355	390	409	457
NSF	1,366	1,409	1,387	1,242	1,201	1,122	1,128	1,140
USDA	64	61	65	75	52	77	55	50
All other Federal	1,657	1,629	1,577	1,183	1,105	996	876	865
Institutional support	4,363	4,337	4,439	4,270	4,387	4,441	4,748	4,620
Other outside support, total	928	1,023	966	918	884	860	847	905
All other U.S.	735	790	731	701	700	696	687	760
Foreign	193	233	235	217	184	164	160	145
Self-support	2,403	2,456	2,382	2,334	2,120	2,184	1,924	2,041
Mathematical sciences:								
Total, all sources	14,530	14,226	13,410	12,966	12,144	11,751	11,796	11,732
Federal, total	1,474	1,397	1,287	1,237	1,152	1,044	1,103	1,368
Dept. of Defense	399	372	322	351	363	283	227	239
Dept. of Energy[1]	na	na	na	na	na	na	44	40
Dept. of HHS, total	80	76	87	82	96	100	105	92
NIH	74	68	63	61	66	68	78	76
Other HHS	6	8	24	21	30	32	27	16
NASA[2]	na	na	na	21	19	11	15	23
NSF	470	518	474	435	386	384	441	635
USDA	28	16	13	9	16	7	7	7
All other Federal	497	415	391	339	272	259	264	332
Institutional support	9,394	9,461	9,151	8,836	8,469	8,289	8,267	8,179
Other outside support, total	524	552	496	554	491	453	439	438
All other U.S.	303	333	309	347	314	314	313	309
Foreign	221	219	187	207	177	139	126	129
Self-support	3,138	2,816	2,476	2,339	2,032	1,965	1,987	1,747
Computer sciences:								
Total, all sources	17,401	16,701	16,510	17,195	18,335	19,972	22,708	26,644
Federal, total	2,920	3,067	3,176	3,106	3,173	3,309	3,361	3,674
Dept. of Defense	1,327	1,345	1,419	1,349	1,434	1,307	1,213	1,225
Dept. of Energy[1]	na	na	na	na	na	na	109	111
Dept. of HHS, total	107	103	111	113	106	110	107	122
NIH	99	95	93	80	78	75	64	84
Other HHS	8	8	18	33	28	35	43	38
NASA[2]	na	na	na	121	122	124	111	142
NSF	1,006	1,047	1,054	1,051	1,087	1,171	1,309	1,482
USDA	7	9	13	13	12	10	20	16
All other Federal	473	563	579	459	412	587	492	576
Institutional support	5,510	5,438	5,488	5,639	5,912	6,206	7,038	7,816
Other outside support, total	1,384	1,393	1,300	1,166	1,184	1,311	1,529	1,906
All other U.S.	1,132	1,107	1,063	919	1,025	1,137	1,393	1,640
Foreign	252	286	237	247	159	174	136	266
Self-support	7,587	6,803	6,546	7,284	8,066	9,146	10,780	13,248
Agricultural sciences:								
Total, all sources	9,446	9,479	9,605	9,297	096	8,986	9,156	9,113
Federal, total	1,952	1,903	2,048	1,959	1,761	1,665	1,891	1,895
Dept. of Defense	37	35	32	38	38	47	28	42
Dept. of Energy[1]	na	na	na	na	na	na	40	45
Dept. of HHS, total	34	50	25	31	30	30	28	57
NIH	32	47	19	17	21	15	17	37
Other HHS	2	3	6	14	9	15	11	20
NASA[2]	na	na	na	28	28	36	55	65
NSF	76	87	92	97	102	91	107	103
USDA	1,140	1,095	1,187	1,058	938	944	1,047	1,015
All other Federal	665	636	712	707	625	517	586	568
Institutional support	3,597	3,779	3,852	3,636	3,632	3,738	3,770	3,729
Other outside support, total	1,697	1,696	1,514	1,476	1,599	1,610	1,588	1,676
All other U.S.	1,211	1,182	1,111	1,124	1,260	1,314	1,334	1,442
Foreign	486	514	403	352	339	296	254	234
Self-support	2,200	2,101	2,191	2,226	2,104	1,973	1,907	1,813

See explanatory information, if any, and SOURCE at end of table.

Table 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1993-2000

Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Biological sciences:								
Total, all sources	46,367	47,961	48,285	47,684	46,923	46,992	47,107	47,026
Federal, total	16,192	16,713	16,637	16,543	16,357	16,233	16,495	16,712
Dept. of Defense	273	347	359	362	373	356	337	329
Dept. of Energy[1]	na	na	na	na	na	na	156	171
Dept. of HHS, total	11,619	11,971	12,062	11,875	11,879	11,920	12,248	12,260
NIH	11,302	11,456	11,390	11,286	11,295	11,302	11,759	11,685
Other HHS	317	515	672	589	584	618	489	575
NASA[2]	na	na	na	90	109	102	101	100
NSF	1,382	1,382	1,411	1,494	1,541	1,542	1,502	1,612
USDA	1,219	1,287	1,088	1,071	926	796	833	809
All other Federal	1,699	1,726	1,717	1,651	1,529	1,517	1,318	1,431
Institutional support	19,982	20,666	20,792	20,373	20,259	20,220	20,421	20,264
Other outside support, total	3,849	4,126	3,876	3,730	3,591	3,766	3,340	3,424
All other U.S.	3,274	3,496	3,273	3,173	3,072	3,237	2,879	2,997
Foreign	575	630	603	557	519	529	461	427
Self-support	6,344	6,456	6,980	7,038	6,716	6,773	6,851	6,626
Psychology:								
Total, all sources	34,782	35,288	35,222	35,412	35,551	35,148	34,705	35,066
Federal, total	2,653	2,634	2,543	2,752	2,720	2,927	3,255	3,308
Dept. of Defense	163	175	175	139	113	128	124	142
Dept. of Energy[1]	na	na	na	na	na	na	41	25
Dept. of HHS, total	1,423	1,365	1,326	1,523	1,465	1,445	1,554	1,609
NIH	1,163	1,098	1,094	1,218	1,198	1,226	1,275	1,332
Other HHS	260	267	232	305	267	219	279	277
NASA[2]	na	na	na	21	20	24	41	36
NSF	314	289	288	289	277	283	310	276
USDA	15	38	16	5	7	8	13	16
All other Federal	738	767	738	775	838	1,039	1,172	1,204
Institutional support	13,215	12,966	12,841	13,033	13,480	13,261	13,252	12,526
Other outside support, total	1,079	1,190	1,133	1,044	1,219	1,349	1,400	1,362
All other U.S.	1,032	1,116	1,089	1,003	1,162	1,296	1,344	1,311
Foreign	47	74	44	41	57	53	56	51
Self-support	17,835	18,498	18,705	18,583	18,132	17,611	16,798	17,870
Social sciences:								
Total, all sources	55,606	56,255	56,212	56,894	55,535	53,822	53,297	52,729
Federal, total	3,491	3,529	3,523	3,247	3,177	3,029	3,137	3,383
Dept. of Defense	273	267	281	225	203	192	174	150
Dept. of Energy[1]	na	na	na	na	na	na	37	66
Dept. of HHS, total	417	423	474	327	330	305	344	376
NIH	303	286	321	266	262	216	266	291
Other HHS	114	137	153	61	68	89	78	85
NASA[2]	na	na	na	52	65	93	135	136
NSF	645	675	675	746	687	709	692	723
USDA	393	434	428	378	389	347	325	387
All other Federal	1,763	1,730	1,665	1,519	1,503	1,383	1,430	1,545
Institutional support	24,632	24,692	25,087	25,431	25,158	25,287	25,396	25,331
Other outside support, total	3,561	3,729	3,464	3,542	3,321	3,238	3,208	3,214
All other U.S.	2,235	2,353	2,102	2,178	2,052	2,168	2,184	2,235
Foreign	1,326	1,376	1,362	1,364	1,269	1,070	1,024	979
Self-support	23,922	24,305	24,138	24,674	23,879	22,268	21,556	20,801
Engineering, total:								
Total, all sources	73,808	71,570	67,782	65,859	65,688	65,435	68,023	72,605
Federal, total	16,901	16,873	16,373	15,846	15,889	15,521	15,905	16,688
Dept. of Defense	5,139	4,717	4,810	4,538	4,774	4,316	4,353	4,465
Dept. of Energy[1]	na	na	na	na	na	na	987	1,208
Dept. of HHS, total	924	906	918	835	915	901	961	1,133
NIH	794	782	768	731	766	754	844	997
Other HHS	130	124	150	104	149	147	117	136
NASA[2]	na	na	na	1,093	1,261	1,245	1,135	1,269
NSF	4,559	4,763	4,579	4,591	4,611	4,719	4,944	5,209
USDA	316	364	349	302	232	197	240	217
All other Federal	5,963	6,123	5,717	4,487	4,096	4,143	3,285	3,187
Institutional support	24,967	24,571	23,835	23,403	23,796	23,401	25,254	26,043
Other outside support, total	9,731	9,383	9,110	8,880	8,972	9,762	9,534	10,563
All other U.S.	8,081	7,767	7,455	7,340	7,532	8,554	8,417	9,476
Foreign	1,650	1,616	1,655	1,540	1,440	1,208	1,117	1,087
Self-support	22,209	20,743	18,464	17,730	17,031	16,751	17,330	19,311

See explanatory information, if any, and SOURCE at end of table.

Table 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Chemical engineering:								
Total, all sources	6,079	6,136	5,985	5,939	5,821	5,630	5,593	5,865
Federal, total	1,761	1,735	1,765	1,800	1,671	1,701	1,669	1,674
Dept. of Defense	139	128	164	169	170	160	161	113
Dept. of Energy[1]	na	na	na	na	na	na	220	242
Dept. of HHS, total	141	173	163	162	137	141	149	155
NIH	119	143	136	148	121	111	127	128
Other HHS	22	30	27	14	16	30	22	27
NASA[2]	na	na	na	91	80	98	101	102
NSF	730	749	759	777	708	756	744	772
USDA	62	73	74	45	43	39	37	35
All other Federal	689	612	605	556	533	507	257	255
Institutional support	2,349	2,427	2,281	2,163	2,234	2,126	2,295	2,304
Other outside support, total	1,074	1,150	1,083	1,119	1,129	947	973	1,087
All other U.S.	969	1,042	945	960	949	834	899	983
Foreign	105	108	138	159	180	113	74	104
Self-support	895	824	856	857	787	856	656	800
Civil engineering:								
Total, all sources	12,458	12,641	12,248	11,791	11,406	11,154	11,237	11,765
Federal, total	1,982	2,090	1,970	1,886	1,807	1,670	1,668	1,933
Dept. of Defense	328	321	290	215	232	192	157	160
Dept. of Energy[1]	na	na	na	na	na	na	50	84
Dept. of HHS, total	38	45	41	39	47	46	44	51
NIH	30	37	31	33	41	35	39	40
Other HHS	8	8	10	6	6	11	5	11
NASA[2]	na	na	na	117	121	61	56	74
NSF	522	587	530	534	529	544	538	596
USDA	63	65	53	70	40	28	35	36
All other Federal	1,031	1,072	1,056	911	838	799	788	932
Institutional support	4,579	4,742	4,874	4,754	4,722	4,588	4,865	4,942
Other outside support, total	1,267	1,233	1,163	1,154	1,114	1,136	1,119	1,357
All other U.S.	972	942	875	911	859	922	931	1,193
Foreign	295	291	288	243	255	214	188	164
Self-support	4,630	4,576	4,241	3,997	3,763	3,760	3,585	3,533
Electrical engineering:								
Total, all sources	20,343	19,385	18,167	17,967	18,854	19,470	20,219	22,821
Federal, total	4,104	4,085	4,056	3,984	4,389	4,316	4,600	5,021
Dept. of Defense	1,764	1,664	1,706	1,651	1,938	1,803	1,845	2,066
Dept. of Energy[1]	na	na	na	na	na	na	71	93
Dept. of HHS, total	103	100	113	93	117	102	102	181
NIH	86	83	84	71	70	79	85	139
Other HHS	17	17	29	22	47	23	17	42
NASA[2]	na	na	na	173	229	244	269	283
NSF	1,283	1,342	1,324	1,317	1,344	1,304	1,473	1,581
USDA	11	24	34	13	15	12	10	12
All other Federal	943	955	879	737	746	851	830	805
Institutional support	6,725	6,406	6,245	6,393	6,746	6,560	7,098	7,257
Other outside support, total	2,772	2,620	2,591	2,648	2,710	3,124	2,833	3,239
All other U.S.	2,335	2,218	2,162	2,263	2,375	2,846	2,555	2,990
Foreign	437	402	429	385	335	278	278	249
Self-support	6,742	6,274	5,275	4,942	5,009	5,470	5,688	7,304
Industrial engineering:								
Total, all sources	5,950	5,960	5,389	5,166	5,116	4,894	5,500	6,089
Federal, total	647	638	658	644	608	586	711	809
Dept. of Defense	249	178	189	209	198	180	252	236
Dept. of Energy[1]	na	na	na	na	na	na	12	31
Dept. of HHS, total	78	50	54	49	36	32	33	34
NIH	36	28	27	27	30	25	20	21
Other HHS	42	22	27	22	6	7	13	13
NASA[2]	na	na	na	27	23	32	28	26
NSF	173	215	173	171	145	175	220	260
USDA	3	1	0	1	1	4	2	7
All other Federal	144	194	242	187	205	163	164	215
Institutional support	1,972	1,906	1,852	1,787	1,706	1,732	1,929	2,147
Other outside support, total	496	556	505	472	510	548	577	682
All other U.S.	409	461	422	357	406	448	488	575
Foreign	89	95	83	115	104	100	89	107
Self-support	2,833	2,860	2,374	2,263	2,292	2,028	2,283	2,451

See explanatory information, if any, and SOURCE at end of table.

Table 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Mechanical engineering:								
Total, all sources	12,395	11,875	11,128	10,690	10,432	10,073	10,331	10,929
Federal, total	2,999	2,946	2,777	2,602	2,626	2,607	2,591	2,660
Dept. of Defense	797	782	823	739	766	728	713	655
Dept. of Energy [1]	na	na	na	na	na	na	207	239
Dept. of HHS, total	86	80	93	76	109	104	112	112
NIH	70	71	82	63	70	71	87	105
Other HHS	16	9	11	13	39	33	25	7
NASA [2]	na	na	na	210	291	290	242	292
NSF	812	800	743	770	841	908	882	916
USDA	9	10	4	13	12	5	21	7
All other Federal	1,295	1,274	1,114	794	607	572	414	439
Institutional support	4,231	4,086	3,909	3,954	3,913	3,829	4,042	4,217
Other outside support, total	1,561	1,573	1,601	1,459	1,460	1,611	1,604	1,769
All other U.S.	1,391	1,333	1,347	1,250	1,286	1,467	1,434	1,570
Foreign	170	240	254	209	174	144	170	199
Self-support	3,604	3,270	2,841	2,675	2,433	2,026	2,094	2,283
Other engineering:								
Total, all sources	16,583	15,573	14,865	14,306	14,059	14,214	15,143	15,136
Federal, total	5,408	5,379	5,147	4,930	4,788	4,641	4,666	4,591
Dept. of Defense	1,862	1,644	1,638	1,555	1,470	1,253	1,225	1,235
Dept. of Energy [1]	na	na	na	na	na	na	427	519
Dept. of HHS, total	478	458	454	416	469	476	521	600
NIH	453	420	408	389	434	433	486	564
Other HHS	25	38	46	27	35	43	35	36
NASA [2]	na	na	na	475	517	520	439	492
NSF	1,039	1,070	1,050	1,022	1,044	1,032	1,087	1,084
USDA	168	191	184	160	121	109	135	120
All other Federal	1,861	2,016	1,821	1,302	1,167	1,251	832	541
Institutional support	5,111	5,004	4,674	4,352	4,475	4,566	5,025	5,176
Other outside support, total	2,559	2,251	2,167	2,028	2,049	2,396	2,428	2,429
All other U.S.	2,005	1,771	1,704	1,599	1,657	2,037	2,110	2,165
Foreign	554	480	463	429	392	359	318	264
Self-support	3,505	2,939	2,877	2,996	2,747	2,611	3,024	2,940
Total, health fields:								
Total, all sources	35,799	39,174	42,192	44,595	46,721	48,581	50,510	50,095
Federal, total	7,313	7,788	7,912	7,413	7,731	7,949	8,458	8,371
Dept. of Defense	435	381	333	334	320	300	364	407
Dept. of Energy [1]	na	na	na	na	na	na	30	15
Dept. of HHS, total	5,224	5,540	5,685	5,470	5,721	5,964	6,190	5,806
NIH	2,278	2,353	2,447	2,460	2,735	2,907	3,026	3,183
Other HHS	2,946	3,187	3,238	3,010	2,986	3,057	3,164	2,623
NASA [2]	na	na	na	14	21	26	15	18
NSF	89	117	100	82	98	120	123	124
USDA	81	76	57	50	43	59	61	62
All other Federal	1,484	1,674	1,737	1,463	1,528	1,480	1,675	1,939
Institutional support	8,160	8,503	9,018	9,426	9,709	10,080	10,912	10,964
Other outside support, total	1,758	1,877	2,043	2,037	1,975	2,210	2,216	2,527
All other U.S.	1,306	1,415	1,509	1,607	1,489	1,778	1,796	2,170
Foreign	452	462	534	430	486	432	420	357
Self-support	18,568	21,006	23,219	25,719	27,306	28,342	28,924	28,233

[1] Data for Department of Energy were not collected separately prior to 1999. Students supported by the Department of Energy prior to 1999 were included under "All other Federal" support.

[2] Data for NASA were not collected separately prior to 1996. Students supported by NASA prior to 1996 were included under "All other Federal" support.

KEY:
HHS = Department of Health & Human Services
NIH = National Institutes of Health
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation
USDA = United States Department of Agriculture
na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1993-2000

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Field and primary mechanism of support	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields:								
Total, all types	329,701	332,149	329,356	328,628	327,385	327,522	334,421	342,121
Fellowships	29,132	28,894	28,891	28,863	28,956	29,106	30,093	31,374
Traineeships	15,458	15,692	15,953	15,488	14,495	14,946	14,694	14,245
Research assistantships	90,154	92,008	89,946	87,694	88,001	88,097	91,261	94,143
Teaching assistantships	67,298	66,851	65,983	65,756	65,425	65,173	66,286	66,438
Other types of support	127,659	128,704	128,583	130,827	130,508	130,200	132,087	135,921
Self-support	106,299	107,054	106,715	109,550	108,823	108,328	109,409	113,218
Other support	21,360	21,650	21,868	21,277	21,685	21,872	22,678	22,703
Total, science and engineering:								
Total, all types	293,902	292,975	287,164	284,033	280,664	278,941	283,911	292,026
Fellowships	27,117	26,749	26,686	26,347	26,478	26,575	27,360	28,439
Traineeships	10,292	10,345	10,544	10,337	9,670	9,841	9,494	9,620
Research assistantships	86,176	87,608	85,316	83,293	83,105	83,053	85,851	88,252
Teaching assistantships	64,768	64,042	63,147	62,728	62,256	61,974	63,190	63,347
Other types of support	105,549	104,231	101,471	101,328	99,155	97,498	98,016	102,368
Self-support	87,731	86,048	83,496	83,831	81,517	79,986	80,485	84,985
Other support	17,818	18,183	17,975	17,497	17,638	17,512	17,531	17,383
Sciences, total:								
Total, all types	220,094	221,405	219,382	218,174	214,976	213,506	215,888	219,421
Fellowships	20,880	20,692	20,671	20,678	20,673	20,974	21,261	22,013
Traineeships	9,230	9,412	9,535	9,470	8,791	8,963	8,726	8,845
Research assistantships	58,219	59,509	58,257	56,759	56,190	55,669	57,182	57,679
Teaching assistantships	53,591	53,268	52,986	52,714	52,103	51,892	52,488	52,291
Other types of support	78,174	78,524	77,933	78,553	77,219	76,008	76,231	78,593
Self-support	65,522	65,305	65,032	66,101	64,486	63,235	63,155	65,674
Other support	12,652	13,219	12,901	12,452	12,733	12,773	13,076	12,919
Physical sciences:								
Total, all types	30,616	30,049	28,879	27,931	26,862	26,391	26,635	26,552
Fellowships	2,729	2,430	2,351	2,203	2,151	2,113	2,199	2,259
Traineeships	757	681	677	650	531	482	383	462
Research assistantships	12,293	12,378	11,825	11,504	11,282	11,046	11,270	11,109
Teaching assistantships	12,130	11,893	11,696	11,247	10,890	10,880	10,866	10,712
Other types of support	2,707	2,667	2,330	2,327	2,028	1,870	1,917	2,010
Self-support	2,093	1,870	1,614	1,623	1,437	1,315	1,352	1,528
Other support	614	797	716	704	591	555	565	482
Earth, atmos., & ocean sciences:								
Total, all types	11,346	11,446	11,259	10,795	10,510	10,444	10,484	10,559
Fellowships	907	865	896	870	814	922	930	1,046
Traineeships	153	140	131	131	92	114	109	98
Research assistantships	4,727	4,854	4,655	4,303	4,276	4,108	4,249	4,236
Teaching assistantships	2,518	2,481	2,508	2,527	2,648	2,559	2,612	2,527
Other types of support	3,041	3,106	3,069	2,964	2,680	2,741	2,584	2,652
Self-support	2,403	2,456	2,382	2,334	2,120	2,184	1,924	2,041
Other support	638	650	687	630	560	557	660	611
Mathematical sciences:								
Total, all types	14,530	14,226	13,410	12,966	12,144	11,751	11,796	11,732
Fellowships	1,363	1,216	1,297	1,285	1,206	1,104	1,035	1,294
Traineeships	258	244	222	179	179	164	112	122
Research assistantships	1,436	1,534	1,451	1,296	1,389	1,215	1,269	1,251
Teaching assistantships	7,586	7,634	7,293	7,127	6,699	6,566	6,767	6,798
Other types of support	3,887	3,598	3,147	3,079	2,671	2,702	2,613	2,267
Self-support	3,138	2,816	2,476	2,339	2,032	1,965	1,987	1,747
Other support	749	782	671	740	639	737	626	520
Computer sciences:								
Total, all types	17,401	16,701	16,510	17,195	18,335	19,972	22,708	26,644
Fellowships	810	908	911	930	942	1,011	1,006	1,196
Traineeships	229	281	227	210	224	219	212	263
Research assistantships	3,802	3,905	3,918	3,979	4,043	4,300	4,895	5,292
Teaching assistantships	3,594	3,370	3,374	3,379	3,643	3,798	4,366	4,583
Other types of support	8,966	8,237	8,080	8,697	9,483	10,644	12,229	15,310
Self-support	7,587	6,803	6,546	7,284	8,066	9,146	10,780	13,248
Other support	1,379	1,434	1,534	1,413	1,417	1,498	1,449	2,062

See explanatory information, if any, and SOURCE at end of table.

Table 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1993-2000

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Field and primary mechanism of support	1993	1994	1995	1996	1997	1998	1999	2000
Agricultural sciences:								
Total, all types	9,446	9,479	9,605	9,297	9,096	8,986	9,156	9,113
Fellowships	530	521	490	455	468	477	458	428
Traineeships	171	132	146	136	129	115	94	86
Research assistantships	5,215	5,369	5,366	5,150	5,064	4,963	5,104	5,157
Teaching assistantships	878	886	937	943	959	1,014	1,150	1,166
Other types of support	2,652	2,571	2,666	2,613	2,476	2,417	2,350	2,276
Self-support	2,200	2,101	2,191	2,226	2,104	1,973	1,907	1,813
Other support	452	470	475	387	372	444	443	463
Biological sciences:								
Total, all types	46,367	47,961	48,285	47,684	46,923	46,992	47,107	47,026
Fellowships	5,209	5,498	5,364	5,242	5,464	5,626	5,788	5,818
Traineeships	4,914	5,228	5,303	5,341	5,060	5,204	5,273	5,181
Research assistantships	18,827	19,413	19,241	18,675	18,606	18,299	18,409	18,627
Teaching assistantships	9,152	9,330	9,307	9,354	9,171	9,131	8,761	8,671
Other types of support	8,265	8,492	9,070	9,072	8,622	8,732	8,876	8,729
Self-support	6,344	6,456	6,980	7,038	6,716	6,773	6,851	6,626
Other support	1,921	2,036	2,090	2,034	1,906	1,959	2,025	2,103
Psychology:								
Total, all types	34,782	35,288	35,222	35,412	35,551	35,148	34,705	35,066
Fellowships	1,930	1,847	1,844	1,982	2,145	2,337	2,478	2,376
Traineeships	1,113	1,044	1,081	1,166	1,067	1,113	1,022	1,231
Research assistantships	4,557	4,655	4,585	4,762	4,790	4,762	4,795	4,695
Teaching assistantships	6,253	6,058	6,112	6,128	6,162	5,976	6,032	5,808
Other types of support	20,929	21,684	21,600	21,374	21,387	20,960	20,378	20,956
Self-support	17,835	18,498	18,705	18,583	18,132	17,611	16,798	17,870
Other support	3,094	3,186	2,895	2,791	3,255	3,349	3,580	3,086
Social sciences:								
Total, all types	55,606	56,255	56,212	56,894	55,535	53,822	53,297	52,729
Fellowships	7,402	7,407	7,518	7,711	7,483	7,384	7,367	7,596
Traineeships	1,635	1,662	1,748	1,657	1,509	1,552	1,521	1,402
Research assistantships	7,362	7,401	7,216	7,090	6,740	6,976	7,191	7,312
Teaching assistantships	11,480	11,616	11,759	12,009	11,931	11,968	11,934	12,026
Other types of support	27,727	28,169	27,971	28,427	27,872	25,942	25,284	24,393
Self-support	23,922	24,305	24,138	24,674	23,879	22,268	21,556	20,801
Other support	3,805	3,864	3,833	3,753	3,993	3,674	3,728	3,592
Engineering, total:								
Total, all types	73,808	71,570	67,782	65,859	65,688	65,435	68,023	72,605
Fellowships	6,237	6,057	6,015	5,669	5,805	5,601	6,099	6,426
Traineeships	1,062	933	1,009	867	879	878	768	775
Research assistantships	27,957	28,099	27,059	26,534	26,915	27,384	28,669	30,573
Teaching assistantships	11,177	10,774	10,161	10,014	10,153	10,082	10,702	11,056
Other types of support	27,375	25,707	23,538	22,775	21,936	21,490	21,785	23,775
Self-support	22,209	20,743	18,464	17,730	17,031	16,751	17,330	19,311
Other support	5,166	4,964	5,074	5,045	4,905	4,739	4,455	4,464
Chemical engineering:								
Total, all types	6,079	6,136	5,985	5,939	5,821	5,630	5,593	5,865
Fellowships	721	706	793	763	838	728	836	796
Traineeships	123	98	105	94	94	97	65	85
Research assistantships	3,146	3,289	3,119	3,074	2,991	2,900	2,944	3,091
Teaching assistantships	1,027	950	911	923	923	898	964	954
Other types of support	1,062	1,093	1,057	1,085	975	1,007	784	939
Self-support	895	824	856	857	787	856	656	800
Other support	167	269	201	228	188	151	128	139
Civil engineering:								
Total, all types	12,458	12,641	12,248	11,791	11,406	11,154	11,237	11,765
Fellowships	904	888	918	884	876	828	869	923
Traineeships	210	191	196	178	191	191	197	117
Research assistantships	4,048	4,254	4,225	4,124	3,983	3,871	4,086	4,642
Teaching assistantships	1,818	1,901	1,846	1,788	1,772	1,755	1,789	1,868
Other types of support	5,478	5,407	5,063	4,817	4,584	4,509	4,296	4,215
Self-support	4,630	4,576	4,241	3,997	3,763	3,760	3,585	3,533
Other support	848	831	822	820	821	749	711	682

See explanatory information, if any, and SOURCE at end of table.

Table 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1993-2000

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Field and primary mechanism of support	1993	1994	1995	1996	1997	1998	1999	2000
Electrical engineering:								
Total, all types	20,343	19,385	18,167	17,967	18,854	19,470	20,219	22,821
Fellowships	1,473	1,503	1,446	1,388	1,392	1,318	1,362	1,346
Traineeships	191	158	156	152	122	133	76	105
Research assistantships	6,925	6,853	6,694	6,919	7,507	7,684	8,400	9,121
Teaching assistantships	3,435	3,240	3,105	3,165	3,347	3,342	3,373	3,606
Other types of support	8,319	7,631	6,766	6,343	6,486	6,993	7,008	8,643
Self-support	6,742	6,274	5,275	4,942	5,009	5,470	5,688	7,304
Other support	1,577	1,357	1,491	1,401	1,477	1,523	1,320	1,339
Industrial engineering:								
Total, all types	5,950	5,960	5,389	5,166	5,116	4,894	5,500	6,089
Fellowships	282	273	302	234	239	252	257	328
Traineeships	48	32	37	14	21	24	21	18
Research assistantships	1,278	1,353	1,344	1,285	1,269	1,380	1,468	1,666
Teaching assistantships	948	938	828	785	775	777	893	964
Other types of support	3,394	3,364	2,878	2,848	2,812	2,461	2,861	3,113
Self-support	2,833	2,860	2,374	2,263	2,292	2,028	2,283	2,451
Other support	561	504	504	585	520	433	578	662
Mechanical engineering:								
Total, all types	12,395	11,875	11,128	10,690	10,432	10,073	10,331	10,929
Fellowships	926	943	944	907	846	902	874	1,021
Traineeships	211	187	187	165	215	180	142	121
Research assistantships	4,787	4,688	4,413	4,272	4,349	4,498	4,642	4,852
Teaching assistantships	2,255	2,069	1,930	1,860	1,887	1,780	1,950	1,970
Other types of support	4,216	3,988	3,654	3,486	3,135	2,713	2,723	2,965
Self-support	3,604	3,270	2,841	2,675	2,433	2,026	2,094	2,283
Other support	612	718	813	811	702	687	629	682
Other engineering:								
Total, all types	16,583	15,573	14,865	14,306	14,059	14,214	15,143	15,136
Fellowships	1,931	1,744	1,612	1,493	1,614	1,573	1,901	2,012
Traineeships	279	267	328	264	236	253	267	329
Research assistantships	7,773	7,662	7,264	6,860	6,816	7,051	7,129	7,201
Teaching assistantships	1,694	1,676	1,541	1,493	1,449	1,530	1,733	1,694
Other types of support	4,906	4,224	4,120	4,196	3,944	3,807	4,113	3,900
Self-support	3,505	2,939	2,877	2,996	2,747	2,611	3,024	2,940
Other support	1,401	1,285	1,243	1,200	1,197	1,196	1,089	960
Total, health fields:								
Total, all types	35,799	39,174	42,192	44,595	46,721	48,581	50,510	50,095
Fellowships	2,015	2,145	2,205	2,516	2,478	2,531	2,733	2,935
Traineeships	5,166	5,347	5,409	5,151	4,825	5,105	5,200	4,625
Research assistantships	3,978	4,400	4,630	4,401	4,896	5,044	5,410	5,891
Teaching assistantships	2,530	2,809	2,836	3,028	3,169	3,199	3,096	3,091
Other types of support	22,110	24,473	27,112	29,499	31,353	32,702	34,071	33,553
Self-support	18,568	21,006	23,219	25,719	27,306	28,342	28,924	28,233
Other support	3,542	3,467	3,893	3,780	4,047	4,360	5,147	5,320

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 25. Full-time graduate students in science and engineering fields in all institutions, by primary mechanism and primary source of support: 1993-2000

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Primary mechanism and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Total, all types:								
Total, all sources	293,902	292,975	287,164	284,033	280,664	278,941	283,911	292,026
Federal, total	60,375	60,778	59,398	57,838	56,798	55,810	57,351	59,254
Dept. of Defense	9,315	9,068	9,006	8,468	8,701	7,959	7,673	7,736
Dept. of Energy[1]	na	na	na	na	na	na	2,719	2,978
Dept. of HHS, total	16,814	17,140	17,102	16,901	16,816	16,740	17,228	17,676
NIH	15,859	15,942	15,664	15,472	15,352	15,308	15,975	16,306
Other HHS	955	1,198	1,438	1,429	1,464	1,432	1,253	1,370
NASA[2]	na	na	na	2,295	2,565	2,620	2,564	2,761
NSF	13,441	13,873	13,561	13,330	13,264	13,339	13,712	14,471
USDA	3,243	3,346	3,197	2,954	2,603	2,426	2,573	2,568
All other Federal	17,562	17,351	16,532	13,890	12,849	12,726	10,882	11,064
Institutional support	120,809	120,741	120,331	118,959	119,225	118,944	122,264	122,361
Other outside support, total	24,987	25,408	23,939	23,405	23,124	24,201	23,811	25,426
All other U.S.	19,958	20,152	18,926	18,586	18,762	20,379	20,305	21,940
Foreign	5,029	5,256	5,013	4,819	4,362	3,822	3,506	3,486
Self-support	87,731	86,046	83,496	83,831	81,517	79,986	80,485	84,985
Fellowships:								
Total, all sources	27,117	26,749	26,686	26,347	26,478	26,575	27,360	28,439
Federal, total	6,992	6,358	6,363	6,427	6,260	6,335	6,586	6,620
Dept. of Defense	627	523	470	506	522	536	485	541
Dept. of Energy[1]	na	na	na	na	na	na	100	156
Dept. of HHS, total	1,027	1,046	1,166	1,148	1,229	1,285	1,338	1,149
NIH	913	915	965	969	1,002	1,057	1,168	992
Other HHS	114	131	201	179	227	228	170	157
NASA[2]	na	na	na	410	373	380	359	346
NSF	2,267	2,275	2,323	2,451	2,309	2,335	2,411	2,538
USDA	113	112	136	111	138	136	141	120
All other Federal	2,958	2,402	2,268	1,801	1,689	1,663	1,752	1,770
Institutional support	13,966	13,912	14,283	14,373	15,227	15,234	15,985	16,956
Other outside support, total	6,159	6,479	6,040	5,547	4,991	5,006	4,789	4,863
All other U.S.	3,697	4,062	3,808	3,396	3,113	3,277	3,268	3,494
Foreign	2,462	2,417	2,232	2,151	1,878	1,729	1,521	1,369
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Traineeships:								
Total, all sources	10,292	10,345	10,544	10,337	9,670	9,841	9,494	9,620
Federal, total	5,769	5,857	5,630	5,515	5,143	5,426	5,400	5,695
Dept. of Defense	113	122	104	124	108	64	51	59
Dept. of Energy[1]	na	na	na	na	na	na	22	10
Dept. of HHS, total	4,374	4,493	4,347	4,256	3,977	4,234	4,350	4,417
NIH	4,190	4,206	3,990	3,990	3,793	4,056	4,156	4,143
Other HHS	184	287	357	266	184	178	194	274
NASA[2]	na	na	na	67	76	57	51	46
NSF	165	258	338	431	383	408	344	322
USDA	42	37	18	24	23	14	25	18
All other Federal	1,075	947	823	613	576	649	557	823
Institutional support	3,635	3,606	4,214	4,252	3,877	3,730	3,457	3,358
Other outside support, total	888	882	700	570	650	685	637	567
All other U.S.	594	661	505	386	488	541	537	[illegible]22
Foreign	294	221	195	184	162	144	100	145
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Research assistantships:								
Total, all sources	86,176	87,608	85,316	83,293	83,105	83,053	85,851	88,252
Federal, total	43,021	43,890	42,933	41,824	41,472	39,962	40,977	42,389
Dept. of Defense	6,204	6,178	6,261	5,965	6,308	5,784	5,658	5,719
Dept. of Energy[1]	na	na	na	na	na	na	2,533	2,715
Dept. of HHS, total	10,973	11,231	11,165	11,036	11,103	10,584	10,787	11,328
NIH	10,384	10,516	10,367	10,155	10,151	9,647	10,036	10,465
Other HHS	589	715	798	881	952	937	751	863
NASA[2]	na	na	na	1,775	2,059	2,122	2,107	2,282
NSF	10,769	11,145	10,600	10,223	10,392	10,373	10,715	11,300
USDA	2,961	3,071	2,944	2,707	2,370	2,188	2,290	2,314
All other Federal	12,114	12,265	11,963	10,118	9,240	8,911	6,887	6,731
Institutional support	29,852	30,591	30,102	29,119	28,984	29,797	31,461	31,388
Other outside support, total	13,303	13,127	12,281	12,350	12,649	13,294	13,413	14,475
All other U.S.	12,445	12,364	11,541	11,611	11,909	12,666	12,816	13,849
Foreign	858	763	740	739	740	628	597	626
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

See explanatory information, if any, and SOURCE at end of table.

Table 25. Full-time graduate students in science and engineering fields in all institutions, by primary mechanism and primary source of support: 1993-2000

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Primary mechanism and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Teaching assistantships								
Total, all sources	64,768	64,042	63,147	62,728	62,256	61,974	63,190	63,347
Federal, total	776	677	646	741	787	971	876	1,272
Dept. of Defense	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dept. of Energy[1]	na	na	na	na	na	na	16	34
Dept. of HHS, total	162	136	113	180	157	232	203	277
NIH	156	127	106	176	127	221	196	261
Other HHS	6	9	7	4	30	11	7	16
NASA[2]	na	na	na	2	24	23	9	11
NSF	140	107	157	117	80	130	121	139
USDA	46	49	37	42	30	37	60	68
All other Federal	428	385	339	400	496	549	467	743
Institutional support	63,408	62,755	61,964	61,366	60,879	60,391	61,623	61,089
Other outside support, total	584	610	537	621	590	612	691	986
All other U.S.	584	610	537	621	590	612	691	986
Foreign	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other types of support								
Total, all sources	105,549	104,231	101,471	101,328	99,155	97,498	98,016	102,368
Federal, total	3,817	3,996	3,826	3,331	3,136	3,116	3,512	3,278
Dept. of Defense	2,371	2,245	2,171	1,873	1,763	1,575	1,479	1,417
Dept. of Energy[1]	na	na	na	na	na	na	48	63
Dept. of HHS, total	278	234	311	281	350	405	550	505
NIH	216	178	236	182	279	327	419	445
Other HHS	62	56	75	99	71	78	131	60
NASA[2]	na	na	na	41	33	38	38	76
NSF	100	88	143	108	100	93	121	172
USDA	81	77	62	70	42	51	57	48
All other Federal	987	1,352	1,139	958	848	954	1,219	997
Institutional support	9,948	9,877	9,768	9,849	10,258	9,792	9,738	9,570
Other outside support, total	4,053	4,310	4,381	4,317	4,244	4,604	4,281	4,535
All other U.S.	2,638	2,455	2,535	2,572	2,662	3,283	2,993	3,189
Foreign	1,415	1,855	1,846	1,745	1,582	1,321	1,288	1,346
Self-support	87,731	86,048	83,496	83,831	81,517	79,986	80,485	84,985

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[1] Data for Department of Energy were not collected separately prior to 1999. Students supported by the Department of Energy prior to 1999 were included under "All other Federal" support.

[2] Data for NASA were not collected separately prior to 1996. Students supported by NASA prior to 1996 were included under "All other Federal" support.

KEY:

HHS = Department of Health & Human Services
NIH = National Institutes of Health
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation
USDA = United States Department of Agriculture
na = Not available
N/A = Not applicable

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 26. Full-time students in graduate school for the first time in science, engineering, and health fields in all institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	92,782	92,206	89,518	89,028	89,224	90,909	92,188	94,693
Total, science and engineering fields	79,279	78,036	74,362	73,447	73,600	74,373	75,429	78,685
Sciences, total	58,930	58,265	56,286	55,441	54,752	55,112	54,916	56,199
Physical sciences, total	6,690	6,456	6,129	6,015	6,037	5,932	6,004	5,838
Astronomy	153	164	147	157	125	162	171	183
Chemistry	3,842	3,813	3,708	3,702	3,758	3,682	3,672	3,490
Physics	2,642	2,381	2,188	2,088	2,074	2,046	2,074	2,102
Physical sciences, n.e.c.	53	98	86	68	80	42	87	63
Earth, atmos., & ocean sci., total	2,985	3,007	2,801	2,631	2,681	2,859	2,746	2,650
Atmospheric sciences	214	224	198	213	224	189	203	222
Geosciences	1,505	1,519	1,423	1,326	1,339	1,348	1,296	1,231
Oceanography	488	519	420	371	410	471	474	479
Earth, atmos., & ocean sci., n.e.c.	778	745	760	721	708	851	773	718
Mathematical sciences	4,044	3,963	3,578	3,450	3,302	3,334	3,271	3,417
Computer sciences	4,742	4,756	4,783	4,917	5,018	5,758	6,677	8,431
Agricultural sciences	2,291	2,300	2,239	2,122	2,102	2,249	2,201	2,267
Biological sciences, total	11,089	11,365	11,407	10,824	11,108	11,385	10,989	11,017
Anatomy	184	209	230	237	195	192	171	209
Biochemistry	1,083	1,032	983	947	998	1,022	896	928
Biology	2,750	2,742	2,690	2,579	2,687	2,498	2,521	2,292
Biometry/epidemiology	667	657	738	671	661	817	786	820
Biophysics	143	149	153	155	133	158	118	126
Botany	517	483	443	443	415	449	404	399
Cell biology	712	774	739	766	825	889	851	948
Ecology	250	285	308	245	244	256	248	277
Entomology/parasitology	239	206	184	202	194	233	179	185
Genetics	342	345	344	387	436	395	425	378
Microbio., immunology, & virology	839	899	905	844	864	857	904	825
Nutrition	836	798	857	831	797	940	834	835
Pathology	324	334	296	291	350	279	320	272
Pharmacology	516	533	500	422	458	513	487	546
Physiology	616	649	811	725	633	654	608	565
Zoology	373	343	346	318	317	276	269	240
Biosciences, n.e.c.	698	927	880	761	901	957	968	1,172
Psychology	9,686	9,530	9,241	9,140	8,800	8,590	8,305	7,562
Social sciences, total	17,403	16,888	16,108	16,342	15,704	15,005	14,723	15,017
Agricultural economics	570	533	492	436	467	417	482	455
Anthropology (cultural & social)	1,309	1,331	1,247	1,252	1,196	1,219	1,193	1,160
Economics (except agricultural)	2,837	2,793	2,605	2,466	2,368	2,352	2,355	2,525
Geography	999	959	836	870	914	805	830	789
Linguistics	611	612	594	620	579	493	422	454
Political science	6,567	6,131	5,916	5,842	5,264	4,953	4,844	5,153
Sociology	1,732	1,548	1,503	1,505	1,525	1,428	1,307	1,303
Sociology/anthropology	200	229	147	210	171	177	144	164
Social sciences, n.e.c.	2,578	2,752	2,768	3,141	3,220	3,161	3,146	3,014
Engineering, total	20,349	19,771	18,076	18,006	18,848	19,261	20,513	22,486
Aerospace engineering	963	793	650	687	735	717	727	775
Agricultural engineering	161	193	177	183	165	155	202	177
Biomedical engineering	601	566	592	572	671	695	734	926
Chemical engineering	1,532	1,465	1,421	1,478	1,467	1,503	1,491	1,598
Civil engineering	4,019	4,194	3,825	3,845	3,792	3,785	3,726	3,851
Electrical engineering	5,484	5,450	4,974	4,850	5,505	5,685	6,306	7,335
Engineering science	316	313	275	273	274	308	255	299
Industrial/manufacturing eng.	1,663	1,731	1,541	1,605	1,549	1,547	1,851	2,021
Mechanical engineering	3,514	3,218	2,832	2,785	2,829	2,923	3,119	3,342
Metallurgical/materials eng.	892	858	822	791	870	900	892	1,005
Nuclear engineering	258	208	187	182	178	153	150	163
Engineering, n.e.c.	946	782	780	755	813	890	1,060	994
Total, health fields	13,503	14,170	15,156	15,581	15,624	16,536	16,759	16,008
Clinical fields	795	780	811	885	992	860	795	892
Dental sciences	435	413	385	400	383	399	350	381
Nursing	2,420	2,615	2,685	2,653	2,867	2,808	2,955	2,697
Pharmaceutical sciences	478	482	457	519	486	548	597	602
Preventive medicine/community health	2,300	2,204	2,609	2,330	2,190	2,660	2,773	2,617
Speech pathology/audiology	3,328	3,519	3,615	3,911	3,830	4,060	3,974	3,873
Veterinary sciences	144	165	162	123	135	204	169	270
Other health fields	3,603	3,992	4,432	4,760	4,741	4,997	5,146	4,676

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 27. Graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all surveyed fields	494,594	2,023	31,668	26,078	21,348	24,485	261,639	127,353
Total, science and engineering fields	414,570	1,604	26,403	20,973	17,223	20,646	205,894	121,827
Sciences, total	309,969	1,395	18,305	17,972	14,206	16,356	166,688	75,047
Physical sciences, total	30,463	75	1,620	916	846	1,057	14,386	11,563
Astronomy	888	1	33	9	17	34	523	271
Chemistry	18,188	61	1,156	648	602	496	9,069	6,156
Physics	10,836	12	412	235	204	399	4,516	5,058
Physical sciences, n.e.c.	551	1	19	24	23	128	278	78
Earth, atmos., & ocean sci., total	13,940	61	351	220	383	450	9,783	2,692
Atmospheric sciences	963	3	41	18	12	28	557	304
Geosciences	6,595	27	132	56	164	223	4,691	1,302
Oceanography	2,668	10	64	26	113	55	1,872	526
Earth, atmos., & ocean sci., n.e.c.	3,714	21	114	118	94	144	2,663	560
Mathematical sciences, total	15,646	24	963	569	460	630	6,966	6,034
Mathematics & applied mathematics	12,819	19	757	506	413	554	5,916	4,654
Statistics	2,827	5	206	63	47	76	1,050	1,380
Computer sciences	47,594	81	5,587	1,533	872	2,845	14,565	22,111
Agricultural sciences	11,684	56	247	266	433	405	7,917	2,360
Biological sciences, total	56,494	188	4,238	2,264	2,188	2,426	33,426	11,764
Anatomy	924	4	85	35	26	15	549	210
Biochemistry	4,963	8	418	144	143	125	2,530	1,595
Biology	13,410	58	739	746	710	678	8,454	2,025
Biometry/epidemiology	3,471	11	410	159	165	162	1,778	786
Biophysics	745	1	99	16	13	40	372	204
Botany	2,176	3	76	42	40	73	1,315	627
Cell biology	4,647	12	491	129	155	264	2,614	982
Ecology	1,744	5	42	24	51	94	1,344	184
Entomology/parasitology	1,104	1	24	14	31	21	733	280
Genetics	1,705	6	109	55	57	129	973	376
Microbio., immunology, & virology	4,815	21	413	192	196	255	2,799	939
Nutrition	4,430	13	230	213	152	134	2,577	1,111
Pathology	1,529	6	153	43	54	65	905	303
Pharmacology	2,959	8	288	146	112	51	1,730	624
Physiology	2,007	3	264	103	65	68	1,058	446
Zoology	1,481	7	28	13	28	51	1,160	194
Biosciences, n.e.c.	4,384	21	369	190	190	201	2,535	878
Psychology, total	50,689	362	2,212	4,263	4,132	3,627	33,833	2,260
Psychology, general	15,710	124	723	1,473	968	969	10,645	808
Clinical psychology	12,488	104	569	756	1,403	604	8,662	390
Psychology, n.e.c.	22,491	134	920	2,034	1,761	2,054	14,526	1,062
Social sciences, total	83,459	548	3,087	7,941	4,892	4,916	45,812	16,263
Agricultural economics	2,079	7	30	80	39	43	866	1,014
Anthropology (cultural & social)	7,633	108	259	278	367	476	5,322	823
Economics (except agricultural)	10,763	19	493	322	238	456	3,461	5,774
Geography	4,044	20	81	90	98	210	2,921	624
History and philosophy of science	532	2	20	14	17	24	386	69
Linguistics	2,674	13	106	44	142	172	1,237	960
Political science	31,179	175	1,208	4,088	2,304	1,811	17,441	4,152
Sociology	8,689	67	355	996	607	410	5,008	1,246
Sociology/anthropology	745	7	15	114	27	42	463	77
Social sciences, n.e.c.	15,121	130	520	1,915	1,053	1,272	8,707	1,524
Engineering, total	104,601	209	8,098	3,001	3,017	4,290	39,206	46,780
Aerospace engineering	3,407	8	206	57	80	92	1,451	1,513
Agricultural engineering	899	3	38	23	22	27	400	386
Biomedical engineering	3,241	5	361	114	92	78	1,631	960
Chemical engineering	7,093	20	550	169	181	229	2,649	3,295
Civil engineering	16,456	39	789	449	777	540	7,751	6,111
Electrical engineering	33,308	37	3,417	831	717	1,595	8,913	17,798
Engineering science	1,632	8	103	34	36	101	673	677
Industrial/manufacturing eng.	12,253	41	734	577	440	585	5,438	4,438
Mechanical engineering	15,457	28	1,121	398	365	576	6,063	6,906
Metallurgical/materials eng.	4,377	5	246	94	84	85	1,751	2,112
Mining engineering	287	1	11	5	2	3	133	132
Nuclear engineering	792	1	24	17	30	3	382	335
Petroleum engineering	627	1	38	7	59	50	110	362
Engineering, n.e.c.	4,772	12	460	226	132	326	1,861	1,755

See explanatory information, if any, and SOURCE at end of table.

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Table 27. Graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, health fields	80,024	419	5,265	5,105	4,125	3,839	55,745	5,526
Medical fields, total	16,569	86	1,837	1,448	1,203	1,104	9,199	1,692
Anesthesiology	873	4	27	31	9	202	597	3
Cardiology	53	0	15	1	2	1	20	14
Oncology/cancer research	237	0	25	4	7	2	155	44
Endocrinology	57	0	17	2	1	5	17	15
Gastroenterology	40	0	17	0	1	0	21	1
Hematology	6	0	1	0	0	0	1	4
Neurology	1,992	12	186	58	86	104	1,225	321
Obstetrics and gynecology	16	1	0	2	0	0	11	2
Ophthalmology	58	0	15	1	1	3	19	19
Otorhinolaryngology	9	0	0	0	0	0	9	0
Pediatrics	403	4	30	29	16	38	242	44
Preventive medicine/community health	10,870	57	1,221	1,225	939	548	5,831	1,049
Psychiatry	179	2	12	7	3	45	106	4
Pulmonary disease	7	0	2	2	0	0	3	0
Radiology	230	3	10	3	9	11	162	32
Surgery	147	0	27	4	12	3	89	12
Clinical medicine, n.e.c.	1,392	3	232	79	117	142	691	128
Other health fields, total	63,455	333	3,428	3,657	2,922	2,735	46,546	3,834
Dental sciences	1,430	2	134	38	83	27	786	360
Nursing	23,341	167	1,008	1,494	1,015	969	18,144	544
Pharmaceutical sciences	3,605	18	451	236	206	60	1,276	1,358
Speech pathology/audiology	13,655	56	337	572	573	625	11,090	402
Veterinary sciences	1,367	7	40	59	43	13	859	346
Health related, n.e.c.	20,057	83	1,458	1,258	1,002	1,041	14,391	824

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 28. Male graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents: American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	Students with temporary visas
Total, all surveyed fields	263,014	842	17,102	9,352	9,370	12,714	125,904	87,730
Total, science and engineering fields	243,837	734	15,399	8,359	8,287	11,705	114,081	85,272
Sciences, total	159,996	595	9,192	6,392	6,009	8,235	82,502	47,071
Physical sciences, total	21,335	54	1,018	493	509	737	10,221	8,303
Astronomy	621	1	19	5	14	21	360	201
Chemistry	11,415	43	657	308	315	299	5,900	3,893
Physics	8,930	9	333	168	164	329	3,773	4,154
Physical sciences, n.e.c.	369	1	9	12	16	88	188	55
Earth, atmos., & ocean sci., total	8,189	33	179	120	198	262	5,601	1,796
Atmospheric sciences	695	3	25	9	8	17	431	202
Geosciences	4,142	17	72	32	92	143	2,839	947
Oceanography	1,401	6	29	14	54	23	951	324
Earth, atmos., & ocean sci., n.e.c.	1,951	7	53	65	44	79	1,380	323
Mathematical sciences	9,865	14	544	294	310	422	4,358	3,923
Computer sciences	33,431	51	3,483	855	623	2,023	10,916	15,480
Agricultural sciences	6,753	34	109	118	223	226	4,506	1,537
Biological sciences, total	26,576	79	1,991	774	962	1,199	15,655	5,916
Anatomy	488	3	56	13	14	6	272	124
Biochemistry	2,739	5	228	63	73	84	1,408	878
Biology	6,401	22	350	244	331	342	4,102	1,010
Biometry/epidemiology	1,279	2	125	42	54	66	630	360
Biophysics	516	0	70	9	11	25	252	149
Botany	1,077	0	25	28	20	42	622	340
Cell biology	2,245	2	239	55	68	124	1,315	442
Ecology	838	2	16	13	18	45	645	99
Entomology/parasitology	662	0	9	6	18	11	423	195
Genetics	737	1	53	25	24	56	382	196
Microbio., immunology, & virology	2,381	16	196	68	89	137	1,409	466
Nutrition	1,034	1	57	41	25	33	494	383
Pathology	701	5	82	12	25	26	380	171
Pharmacology	1,444	4	138	55	50	26	866	305
Physiology	1,130	1	164	42	39	43	585	256
Zoology	821	3	13	5	16	26	658	100
Biosciences, n.e.c.	2,083	12	170	53	87	107	1,212	442
Psychology	13,670	103	566	882	1,038	938	9,390	753
Social sciences, total	40,177	227	1,302	2,856	2,146	2,428	21,855	9,363
Agricultural economics	1,290	6	17	42	23	29	535	638
Anthropology (cultural & social)	2,945	49	67	80	148	183	2,056	362
Economics (except agricultural)	6,995	6	275	167	160	310	2,238	3,839
Geography	2,413	13	35	46	57	125	1,756	381
Linguistics	930	5	28	13	39	63	436	346
Political science	15,235	85	527	1,454	1,010	927	8,876	2,356
Sociology	3,085	19	119	334	234	163	1,689	527
Sociology/anthropology	282	3	6	32	14	18	181	28
Social sciences, n.e.c.	7,002	41	228	688	461	610	4,088	886
Engineering, total	83,841	139	6,207	1,967	2,278	3,470	31,579	38,201
Aerospace engineering	2,938	6	180	49	67	77	1,233	1,326
Agricultural engineering	631	1	19	13	11	14	282	291
Biomedical engineering	2,171	4	236	55	63	56	1,089	668
Chemical engineering	5,212	9	379	91	112	163	1,977	2,481
Civil engineering	12,182	29	540	272	539	412	5,641	4,749
Electrical engineering	27,959	26	2,689	629	618	1,319	7,950	14,728
Engineering science	1,290	6	84	21	26	84	539	530
Industrial/manufacturing eng.	9,519	27	564	321	300	469	4,211	3,627
Mechanical engineering	13,604	19	975	295	316	503	5,358	6,138
Metallurgical/materials eng.	3,336	3	173	51	60	72	1,325	1,652
Nuclear engineering	636	0	19	6	22	2	313	274
Engineering, n.e.c.	4,363	9	349	164	144	299	1,661	1,737

See explanatory information, if any, and SOURCE at end of table.

Table 28. Male graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, health fields	19,177	108	1,703	993	1,083	1,009	11,823	2,458
Clinical fields	1,716	10	219	59	70	235	963	160
Dental sciences	880	1	68	15	36	18	523	219
Nursing	2,181	17	97	96	153	84	1,667	67
Pharmaceutical sciences	1,764	9	203	82	82	27	655	706
Preventive medicine/community health	3,780	20	448	324	297	211	1,984	496
Speech pathology/audiology	1,023	7	29	47	54	46	769	71
Veterinary sciences	607	3	24	20	24	4	331	201
Other health fields	7,226	41	615	350	367	384	4,931	538

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 29. Female graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all surveyed fields	231,580	1,181	14,566	16,726	11,978	11,771	135,735	39,623
Total, science and engineering fields	170,733	870	11,004	12,614	8,936	8,941	91,813	36,555
Sciences, total	149,973	800	9,113	11,580	8,197	8,121	84,186	27,976
Physical sciences, total	9,128	21	602	423	337	320	4,165	3,260
Astronomy	267	0	14	4	3	13	163	70
Chemistry	6,773	18	499	340	287	197	3,169	2,263
Physics	1,906	3	79	67	40	70	743	904
Physical sciences, n.e.c.	182	0	10	12	7	40	90	23
Earth, atmos., & ocean sci., total	5,751	28	172	100	185	188	4,182	896
Atmospheric sciences	268	0	16	9	4	11	126	102
Geosciences	2,453	10	60	24	72	80	1,852	355
Oceanography	1,267	4	35	14	59	32	921	202
Earth, atmos., & ocean sci., n.e.c.	1,763	14	61	53	50	65	1,283	237
Mathematical sciences	5,781	10	419	275	150	208	2,608	2,111
Computer sciences	14,163	30	2,104	678	249	822	3,649	6,631
Agricultural sciences	4,931	22	138	148	210	179	3,411	823
Biological sciences, total	29,918	109	2,247	1,490	1,226	1,227	17,771	5,848
Anatomy	436	1	29	22	12	9	277	86
Biochemistry	2,224	3	190	81	70	41	1,122	717
Biology	7,009	36	389	502	379	336	4,352	1,015
Biometry/epidemiology	2,192	9	285	117	111	96	1,148	426
Biophysics	229	1	29	7	2	15	120	55
Botany	1,099	3	51	14	20	31	693	287
Cell biology	2,402	10	252	74	87	140	1,299	540
Ecology	906	3	26	11	33	49	699	85
Entomology/parasitology	442	1	15	8	13	10	310	85
Genetics	968	5	56	30	33	73	591	180
Microbio., immunology, & virology	2,434	5	217	124	107	118	1,390	473
Nutrition	3,396	12	173	172	127	101	2,083	728
Pathology	828	1	71	31	29	39	525	132
Pharmacology	1,515	4	150	91	62	25	864	319
Physiology	877	2	100	61	26	25	473	190
Zoology	660	4	15	8	12	25	502	94
Biosciences, n.e.c.	2,301	9	199	137	103	94	1,323	436
Psychology	37,019	259	1,646	3,381	3,094	2,689	24,443	1,507
Social sciences, total	43,282	321	1,785	5,085	2,746	2,488	23,957	6,900
Agricultural economics	789	1	13	38	16	14	331	376
Anthropology (cultural & social)	4,688	59	192	198	219	293	3,266	461
Economics (except agricultural)	3,768	13	218	155	78	146	1,223	1,935
Geography	1,631	7	46	44	41	85	1,165	243
Linguistics	1,744	8	78	31	103	109	801	614
Political science	15,944	90	681	2,634	1,294	884	8,565	1,796
Sociology	5,604	48	236	662	373	247	3,319	719
Sociology/anthropology	463	4	9	82	13	24	282	49
Social sciences, n.e.c.	8,651	91	312	1,241	609	686	5,005	707
Engineering, total	20,760	70	1,891	1,034	739	820	7,627	8,579
Aerospace engineering	469	2	26	8	13	15	218	187
Agricultural engineering	268	2	19	10	11	13	118	95
Biomedical engineering	1,070	1	125	59	29	22	542	292
Chemical engineering	1,881	11	171	78	69	66	672	814
Civil engineering	4,274	10	249	177	238	128	2,110	1,362
Electrical engineering	5,349	11	728	202	99	276	963	3,070
Engineering science	342	2	19	13	10	17	134	147
Industrial/manufacturing eng.	2,734	14	170	256	140	116	1,227	811
Mechanical engineering	1,853	9	146	103	49	73	705	768
Metallurgical/materials eng.	1,041	2	73	43	24	13	426	460
Nuclear engineering	156	1	5	11	8	1	69	61
Engineering, n.e.c.	1,323	5	160	74	49	80	443	512

See explanatory information, if any, and SOURCE at end of table.

Table 29. Female graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, health fields	60,847	311	3,562	4,112	3,042	2,830	43,922	3,068
Clinical fields	1,991	7	211	106	108	217	1,180	162
Dental sciences	550	1	66	23	47	9	263	141
Nursing	21,160	150	911	1,398	862	885	16,477	477
Pharmaceutical sciences	1,841	9	248	154	124	33	621	652
Preventive medicine/community health	7,090	37	773	901	642	337	3,847	553
Speech pathology/audiology	12,632	49	308	525	519	579	10,321	331
Veterinary sciences	760	4	16	39	19	9	528	145
Other health fields	14,823	54	1,029	966	721	761	10,685	607

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all institutions	309,969	1,395	18,305	17,972	14,206	16,356	166,688	75,047
New England	22,091	63	1,105	566	485	2,581	10,644	6,647
Connecticut	5,253	13	269	163	149	658	2,463	1,538
Central Connecticut State University	156	0	22	11	11	6	90	16
Connecticut College	14	0	0	0	0	5	9	0
Quinnipiac College	25	0	0	1	1	1	22	0
Rensselaer at Hartford	407	2	52	4	10	118	221	0
Southern Connecticut State University	373	0	10	42	7	31	276	7
St. Joseph College	38	0	0	0	0	38	0	0
Trinity College	32	0	1	1	1	3	26	0
University of Bridgeport	520	1	25	6	5	6	115	362
University of Connecticut	1,357	5	41	31	42	143	581	514
University of Hartford	276	0	18	14	11	4	225	4
University of New Haven	671	3	25	25	23	97	390	108
Wesleyan University	114	0	4	4	0	2	43	61
Western Connecticut State University	26	0	0	1	0	8	17	0
Yale University	1,244	2	71	23	38	196	448	466
Maine	459	5	2	4	1	2	348	97
University of Maine	459	5	2	4	1	2	348	97
University of New England	0	0	0	0	0	0	0	0
Massachusetts	13,370	40	736	337	295	1,809	5,948	4,205
American International College	102	1	2	11	4	38	45	1
Anna Maria College	159	0	0	1	1	84	73	0
Assumption College	53	0	0	0	0	19	34	0
Boston College	405	0	18	14	8	1	220	144
Boston University	2,097	4	155	32	34	536	705	631
Brandeis University	494	0	10	5	6	124	169	180
Bridgewater State College	80	1	6	2	0	12	51	8
Clark University	283	0	1	5	1	29	123	124
Framingham State College	3	0	0	3	0	0	0	0
Harvard University	3,017	17	223	111	110	568	1,076	912
MGH Institute of Health Professions	0	0	0	0	0	0	0	0
Mass College of Pharmacy/Allied Health	20	0	1	0	0	0	2	17
Massachusetts Institute of Technology	1,884	4	159	47	35	61	940	638
Mount Holyoke College	3	0	0	1	0	0	2	0
Northeastern University	745	3	16	17	10	123	268	308
Salem State College	85	0	0	1	0	49	32	3
Smith College	3	0	0	0	0	0	3	0
Tufts University	734	1	57	9	23	3	480	161
University of Massachusetts	2,030	8	65	66	56	103	1,095	637
University of Massachusetts Dartmouth	169	0	8	1	3	6	84	67
University of Massachusetts Lowell	643	0	0	9	1	50	382	201
Western New England College	0	0	0	0	0	0	0	0
Williams College	26	0	0	0	0	0	0	26
Woods Hole Oceanographic Institution	88	1	7	1	0	0	58	21
Worcester Polytechnic Institute	234	0	8	1	3	1	95	126
Worcester State College	13	0	0	0	0	2	11	0
New Hampshire	1,074	2	43	11	11	64	635	308
Dartmouth College	338	1	14	2	4	0	226	91
Rivier College	126	0	18	1	0	8	31	68
University of New Hampshire	610	1	11	8	7	56	378	149
Rhode Island	1,427	3	41	41	23	40	853	426
Brown University	671	1	22	22	9	25	308	284
Rhode Island College	33	1	0	0	0	7	25	0
University of Rhode Island	723	1	19	19	14	8	520	142

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Vermont	508	0	14	10	6	8	397	73
Goddard College	58	0	0	3	0	8	46	1
Marlboro College	0	0	0	0	0	0	0	0
Middlebury College	0	0	0	0	0	0	0	0
University of Vermont	450	0	14	7	6	0	351	72
Middle Atlantic	53,452	106	3,722	3,295	2,014	4,144	25,617	14,554
New Jersey	8,116	11	685	418	322	713	3,295	2,672
College of New Jersey, The	0	0	0	0	0	0	0	0
Drew University	0	0	0	0	0	0	0	0
Fairleigh Dickinson University	1,061	0	49	50	36	152	406	368
Kean University	378	0	45	72	39	19	203	0
Monmouth University	115	0	14	0	1	7	20	73
Montclair State University	416	3	17	21	29	34	254	58
New Jersey Institute of Technology	1,251	1	193	39	34	145	204	635
Princeton University	973	1	49	22	25	10	453	413
Rutgers the State Univ of New Jersey	2,683	4	184	145	91	191	1,231	837
Seton Hall University	498	2	32	43	28	125	220	48
Stevens Institute of Technology	366	0	34	8	12	29	129	154
Univ of Med and Dentistry of New Jersey	308	0	62	8	22	1	131	84
William Paterson U of NJ	67	0	6	10	5	0	44	2
New York	31,288	76	2,304	2,276	1,475	2,925	13,938	8,294
Adelphi University	229	0	9	16	13	46	132	13
Albany Medical College	83	0	5	4	0	3	51	20
Alfred University	76	0	1	1	0	0	73	1
CUNY Baruch College	623	1	82	127	63	61	155	134
CUNY Brooklyn College	745	0	125	173	41	129	155	122
CUNY City College	664	0	97	130	99	34	134	170
CUNY College of Staten Island	78	0	9	2	0	32	19	16
CUNY Graduate Center	1,449	5	59	92	79	174	636	404
CUNY Herbert H. Lehman College	67	0	10	6	6	15	6	24
CUNY Hunter College	239	0	10	41	22	25	121	20
CUNY John Jay College of Crim Justice	997	1	43	177	116	68	592	0
CUNY Queens College	638	1	153	49	33	111	123	168
Clarkson University	52	0	0	2	0	0	25	25
College of New Rochelle	136	0	0	20	5	71	34	6
College of St Rose	144	1	4	4	1	26	103	5
Columbia Univ in the City of New York	1,613	1	144	33	35	90	618	692
Cooper Union	0	0	0	0	0	0	0	0
Cornell University	2,692	10	185	81	96	90	1,120	1,110
Fordham University	417	1	13	17	35	105	173	73
Hofstra University	369	0	9	19	5	43	273	20
Iona College	124	0	5	8	9	64	38	0
Ithaca College	0	0	0	0	0	0	0	0
Long Island University	1,279	6	51	297	96	185	539	105
Manhattan College	14	0	1	0	0	6	4	3
Marist College	275	1	11	7	6	17	187	46
Mt. Sinai School of Medicine	197	0	36	9	8	0	89	55
New School University	957	3	28	83	77	96	402	268
New York Institute of Technology	411	1	59	18	2	88	50	193
New York Medical College	163	0	23	12	11	15	65	37
New York University	2,750	3	309	160	138	256	1,200	684
Niagara University	34	0	0	3	0	0	31	0
Pace University	786	0	101	67	34	175	239	170
Polytechnic University	321	0	54	10	0	142	56	59
Pratt Institute	0	0	0	0	0	0	0	0
Rensselaer Polytechnic Institute	511	0	13	12	4	6	245	231
Rochester Institute of Technology	309	0	13	2	10	16	152	116
Rockefeller University, The	119	0	18	3	7	1	41	49
Russell Sage College	66	0	0	2	1	28	35	0
SUNY at Albany	2,031	10	28	102	76	269	1,133	413
SUNY at Binghamton	813	3	31	30	36	85	334	294

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
New York, continued:								
SUNY at Buffalo	1,754	10	51	70	38	82	838	665
SUNY at New Paltz	107	2	19	1	3	14	38	30
SUNY at Stony Brook	1,665	0	91	63	42	17	667	785
SUNY College at Brockport	313	0	0	3	0	0	301	9
SUNY College at Buffalo	13	1	0	0	0	0	8	4
SUNY College at Cortland	0	0	0	0	0	0	0	0
SUNY College at Fredonia	41	0	0	0	0	0	41	0
SUNY College at Geneseo	1	0	0	0	0	0	1	0
SUNY College at Oneonta	7	0	0	0	4	0	3	0
SUNY College at Oswego	138	0	3	5	4	0	125	1
SUNY College at Plattsburgh	14	0	0	0	0	0	14	0
SUNY College at Potsdam	2	0	0	1	1	0	0	0
SUNY College of Env Science and Forestry	337	1	2	5	5	0	246	78
SUNY College of Optometry	0	0	0	0	0	0	0	0
SUNY Health Science Center at Brooklyn	55	0	7	3	1	0	12	32
SUNY Inst of Technology at Utica-Rome	79	0	6	6	1	1	58	7
SUNY Upstate Medical University	81	0	12	2	1	0	49	17
Sarah Lawrence College	57	1	4	1	0	12	34	5
St. Bonaventure University	0	0	0	0	0	0	0	0
St. John's University	518	0	35	51	44	40	271	77
Syracuse University	941	5	19	35	21	84	517	260
Teachers College, Columbia University	1,245	6	240	166	76	91	557	109
Union College	17	0	0	0	0	0	13	4
University of Rochester	799	2	28	14	20	4	395	336
Vassar College	0	0	0	0	0	0	0	0
Wagner College	9	0	0	1	1	0	7	0
Yeshiva University	624	0	48	30	49	8	360	129
Pennsylvania	14,048	19	733	601	217	506	8,384	3,588
Bloomsburg University of Pennsylvania	15	0	0	1	0	0	12	2
Bryn Mawr College	96	0	4	1	0	0	78	13
Bucknell University	23	0	0	0	0	0	21	2
California University of Pennsylvania	176	0	10	9	0	0	157	0
Carnegie Mellon University	1,503	4	56	59	22	109	629	624
Clarion University of Pennsylvania	28	0	0	1	0	0	27	0
Drexel University	919	1	63	44	10	128	526	147
Duquesne University	324	0	5	7	1	8	251	52
East Stroudsburg Univ of Pennsylvania	76	0	4	1	3	0	64	4
Edinboro University of Pennsylvania	110	0	1	3	0	0	102	4
Gannon University	31	0	1	0	0	0	20	10
Indiana University of Pennsylvania	352	1	14	19	4	26	267	21
Kutztown University of Pennsylvania	115	0	3	2	1	0	95	14
Lehigh University	210	0	16	7	4	1	145	37
MCP Hahnemann University	435	0	57	35	10	35	262	36
Mansfield University of Pennsylvania	6	0	0	0	0	0	6	0
Marywood University	168	1	1	1	0	8	155	2
Medical College of Pennsylvania, The	0	0	0	0	0	0	0	0
Millersville University of Pennsylvania	91	0	1	3	2	0	85	0
Pennsylvania State University	2,468	4	54	75	46	9	1,450	830
Philadelphia College of Osteopathic Med	349	2	13	35	7	0	292	0
Shippensburg University of Pennsylvania	236	1	6	15	1	0	197	16
Slippery Rock University of Pennsylvania	107	1	0	6	1	17	80	2
St Joseph's University	399	0	28	23	3	61	160	124
Swarthmore College	0	0	0	0	0	0	0	0
Temple University	1,309	2	86	102	31	29	787	272
Thomas Jefferson University	236	0	20	15	5	5	164	27
Univ of the Sciences in Philadelphia	45	0	2	0	1	0	21	21
University of Pennsylvania	1,585	1	124	47	30	23	801	559
University of Pittsburgh	1,963	1	119	80	25	14	1,143	581
University of Scranton	97	0	6	1	4	3	62	21
Villanova University	395	0	15	6	4	30	173	167
West Chester University of Pennsylvania	181	0	24	3	2	0	152	0
Widener University, All Campuses	0	0	0	0	0	0	0	0
Wilkes University	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
East North Central	50,723	165	2,944	2,877	1,209	1,203	28,555	13,770
Illinois	18,239	45	1,272	1,437	576	544	9,425	4,940
Bradley University	114	0	3	6	1	0	28	76
Chicago School of Prof Psych	0	0	0	0	0	0	0	0
Chicago State University	240	0	3	203	16	1	17	0
DePaul University	2,772	2	409	264	113	108	1,386	490
Eastern Illinois University	126	0	2	4	2	1	99	18
Finch U of Hlth Sci/The Chicago Med Sch	215	4	45	6	10	5	127	18
Governors State University	463	1	17	158	28	20	218	21
Illinois Institute of Technology	1,330	1	152	103	41	3	453	577
Illinois State University	510	1	15	21	7	0	367	99
Loyola University of Chicago	878	2	50	48	29	51	513	185
Midwestern University	0	0	0	0	0	0	0	0
Northeastern Illinois University	321	0	61	19	21	7	195	18
Northern Illinois University	880	2	40	26	12	111	494	195
Northwestern University	876	2	52	37	19	20	432	314
Roosevelt University	507	0	21	135	29	33	237	52
Rush University	88	0	7	2	1	0	62	16
Southern Illinois Univ at Carbondale	1,171	4	16	58	22	5	792	274
Southern Illinois Univ at Edwardsville	517	8	7	40	6	0	324	132
University of Chicago	1,781	5	112	55	62	36	900	611
University of Illinois at Chicago	1,396	2	83	79	62	55	633	482
University of Illinois at Springfield	756	5	25	90	28	0	544	64
University of Illinois at Urbana-Champaign	2,871	4	147	68	58	70	1,330	1,194
Western Illinois University	427	2	5	15	9	18	274	104
Indiana	5,802	22	200	155	129	83	3,353	1,860
Ball State University	467	0	0	0	0	0	324	143
Butler University	0	0	0	0	0	0	0	0
Indiana State University	252	2	3	17	9	0	149	72
Indiana University	2,499	15	107	70	45	48	1,642	72
Indiana Wesleyan University	0	0	0	0	0	0	0	0
Purdue University	1,945	3	81	57	55	21	894	834
Rose-Hulman Institute of Technology	7	0	0	0	0	0	2	5
University of Evansville	0	0	0	0	0	0	0	0
University of Notre Dame	544	0	9	9	19	1	277	229
University of Saint Francis	26	0	0	1	0	7	17	1
Valparaiso University	62	2	0	1	1	6	48	4
Michigan	9,713	48	920	619	214	285	5,190	2,437
Andrews University	103	1	3	16	4	0	33	46
Central Michigan University	466	1	11	8	7	3	268	168
Eastern Michigan University	656	4	59	15	6	19	279	274
Grand Valley State University	234	1	9	13	3	5	185	18
Michigan State University	2,240	15	66	83	49	25	1,163	839
Michigan Technological University	243	0	2	2	3	5	114	117
Northern Michigan University	172	3	9	2	1	3	154	0
Oakland University	119	1	10	3	0	4	83	18
University of Detroit Mercy	264	2	11	34	0	10	153	54
University of Michigan	2,495	14	174	178	105	53	1,374	597
Wayne State University	1,845	4	554	192	23	158	830	84
Western Michigan University	876	2	12	73	13	0	554	222
Ohio	11,270	30	372	536	150	210	6,720	3,252
Air Force Institute of Technology	213	0	0	0	0	0	89	124
Antioch University	1,136	8	32	55	34	62	936	9
Bowling Green State University	503	2	28	16	6	7	274	170
Case Western Reserve University	781	4	74	23	8	6	443	223
Cleveland State University	686	0	3	89	7	23	259	305
John Carroll University	53	0	0	2	0	0	49	2
Kent State University	751	3	16	24	5	37	417	249
Medical College of Ohio	89	0	29	0	2	6	51	1

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents: American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	Students with temporary visas
Ohio, continued:								
Miami University (OH)	461	0	17	14	3	0	327	100
Ohio State University	2,665	3	92	85	41	28	1,368	1,048
Ohio University	676	2	7	13	2	0	364	288
Union Institute, The	374	4	9	43	7	32	273	6
University of Akron	606	1	17	25	8	1	344	210
University of Cincinnati	903	0	16	44	4	3	577	259
University of Dayton	170	0	5	13	0	0	122	30
University of Toledo	390	0	5	29	4	0	245	107
Wright State University	549	2	21	46	15	5	360	100
Xavier University	135	1	1	6	2	0	125	0
Youngstown State University	129	0	0	9	2	0	97	21
Wisconsin	5,699	20	180	130	140	81	3,867	1,281
Marquette University	435	1	9	22	10	8	243	142
Medical College of Wisconsin	145	0	8	2	1	1	96	37
Milwaukee School of Engineering	0	0	0	0	0	0	0	0
University of Wisconsin-Eau Claire	14	0	0	0	0	0	14	0
University of Wisconsin-Green Bay	47	0	1	0	0	0	40	6
University of Wisconsin-La Crosse	53	0	2	0	0	0	51	0
University of Wisconsin-Madison	3,234	7	112	35	87	64	2,062	867
University of Wisconsin-Milwaukee	1,432	10	41	68	39	6	1,044	224
University of Wisconsin-Oshkosh	125	1	6	2	1	1	114	0
University of Wisconsin-Platteville	5	0	0	0	0	0	5	0
University of Wisconsin-River Falls	32	0	0	0	0	0	32	0
University of Wisconsin-Stevens Point	67	0	0	0	0	1	64	2
University of Wisconsin-Stout	71	0	1	0	1	0	66	3
University of Wisconsin-Whitewater	39	1	0	1	1	0	36	0
West North Central	21,549	131	685	711	360	1,723	12,486	5,453
Iowa	3,504	10	73	88	53	72	1,829	1,379
Des Moines Univ-Osteopathic Med Ctr	0	0	0	0	0	0	0	0
Drake University	236	0	6	19	5	0	203	3
Iowa State University	1,797	5	24	31	20	70	873	774
Loras College	20	0	0	0	0	0	19	1
Maharishi University of Management	167	0	14	0	0	0	17	136
Marycrest International Univ	26	0	0	1	0	0	14	11
University of Iowa	1,116	5	27	22	28	1	591	442
University of Northern Iowa	142	0	2	15	0	1	112	12
Kansas	4,360	42	97	121	84	213	2,727	1,076
Emporia State University	188	2	1	4	1	12	157	11
Fort Hays State University	54	0	3	1	1	0	49	0
Kansas State University	1,451	7	47	25	24	0	830	518
Pittsburg State University	157	0	0	0	0	12	129	16
University of Kansas	1,992	30	35	64	53	189	1,288	333
Washburn University of Topeka	16	0	1	1	0	0	14	0
Wichita State University	502	3	10	26	5	0	260	198
Minnesota	5,542	24	163	246	100	1,107	2,854	1,048
Bemidji State University	11	0	0	0	0	0	9	2
Mayo Graduate School	138	1	6	3	17	7	75	29
Minnesota State University Moorhead	46	0	0	0	0	0	46	0
Minnesota State University at Mankato	250	2	11	5	2	83	94	53
St. Cloud State University	153	0	38	0	0	0	115	0
St Mary's University of Minnesota	951	0	0	0	0	951	0	0
University of Minnesota	3,263	10	91	61	53	11	2,080	957
Walden University	730	11	17	177	28	55	435	7

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Missouri	4,497	12	171	178	78	72	2,860	1,126
Central Missouri State University	225	0	3	11	2	23	157	29
Forest Institute of Professional Psych	251	1	5	9	3	0	233	0
Kirksville College of Osteopathic Med	0	0	0	0	0	0	0	0
Lincoln University	27	0	0	14	0	0	9	4
Northwest Missouri State University	29	0	0	0	1	0	27	1
Saint Louis University	392	1	8	32	8	3	301	39
Southeast Missouri State University	47	0	0	0	0	0	45	2
Southwest Missouri State University	271	0	3	4	3	2	237	22
Truman State University	6	0	0	0	0	2	1	3
University of Missouri-Columbia	1,108	4	48	49	21	20	632	334
University of Missouri-Kansas City	482	1	12	14	7	6	219	223
University of Missouri-Rolla	206	0	1	3	1	3	92	106
University of Missouri-St. Louis	479	3	22	25	16	8	291	114
Washington University	974	2	69	17	16	5	616	249
Nebraska	2,112	13	52	63	34	26	1,309	615
Creighton University	112	1	5	1	1	1	60	43
University of Nebraska at Kearney	53	0	0	0	0	1	48	4
University of Nebraska at Lincoln	1,182	9	18	22	22	5	699	407
University of Nebraska at Omaha	677	3	25	39	11	19	439	141
University of Nebraska Medical Center	88	0	4	1	0	0	63	20
North Dakota	927	18	103	13	3	206	474	110
North Dakota State University	461	3	98	11	3	10	267	69
University of North Dakota	466	15	5	2	0	196	207	41
South Dakota	607	12	26	2	8	27	433	99
South Dakota School of Mines and Tech	104	1	2	0	1	0	68	32
South Dakota State University	308	4	17	0	2	27	220	38
University of South Dakota	195	7	7	2	5	0	145	29
South Atlantic	49,278	134	2,146	4,565	1,663	1,026	29,124	10,620
Delaware	1,012	2	18	61	23	8	596	304
Delaware State University	18	0	0	6	0	2	9	1
University of Delaware	994	2	18	55	23	6	587	303
District of Columbia	5,644	9	314	807	181	289	2,765	1,279
American University	1,822	3	70	194	76	151	908	420
Catholic University of America	300	1	11	11	15	16	193	53
Gallaudet University	0	0	0	0	0	0	0	0
George Washington University	2,352	4	157	141	70	111	1,363	506
Georgetown University	575	1	63	8	15	0	287	201
Howard University	543	0	11	410	2	10	11	99
University of the District of Columbia	52	0	2	43	3	1	3	0
Florida	10,886	31	333	831	926	266	6,246	2,253
Embry-Riddle Aeronautical University	74	0	2	5	5	0	30	32
Florida A&M University	175	0	7	141	4	15	8	0
Florida Atlantic University	648	2	37	47	48	0	408	106
Florida Institute of Technology	520	1	14	14	17	20	268	186
Florida International University	839	0	19	89	240	0	291	200
Florida State University	1,177	4	21	59	35	0	690	368
Jacksonville University	0	0	0	0	0	0	0	0
Nova Southeastern University	1,880	3	53	197	194	165	1,148	120
University of Central Florida	1,021	1	32	68	78	23	683	136
University of Florida	2,519	9	76	97	130	18	1,441	748
University of Miami	753	4	28	44	105	14	324	234
University of South Florida	984	3	30	54	56	10	719	112

See explanatory information, if any, and SOURCE at end of table

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents: American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	Students with temporary visas
Florida, continued:								
University of West Florida	296	4	14	16	14	1	236	11
Georgia	5,586	12	237	708	111	69	3,198	1,251
Augusta State University	30	0	2	6	0	0	22	0
Clark Atlanta University	200	0	18	147	4	12	0	19
Emory University	665	4	29	40	15	3	435	139
Fort Valley State University	0	0	0	0	0	0	0	0
Georgia College and State University	203	0	4	45	3	0	119	32
Georgia Institute of Technology	1,034	0	49	74	26	6	541	338
Georgia Southern University	181	1	2	28	6	3	126	15
Georgia State University	1,015	1	85	223	27	6	528	145
Institute of Paper Science & Technology	0	0	0	0	0	0	0	0
Medical College of Georgia	51	0	1	1	0	1	28	20
Mercer University	66	0	2	10	1	23	30	0
Morehouse School of Medicine	15	0	2	12	0	0	1	0
State University of West Georgia	165	1	3	29	4	1	119	8
University of Georgia	1,797	3	38	49	21	12	1,139	535
Valdosta State University	164	2	2	44	4	2	110	0
Maryland	6,724	12	353	614	128	202	3,582	1,833
Coppin State College	48	0	0	46	0	0	2	0
Frostburg State University	79	0	0	0	2	2	70	5
Hood College	353	1	36	13	5	51	244	3
Johns Hopkins University	1,444	1	114	53	33	4	750	489
Loyola College	194	0	5	10	4	24	148	3
Morgan State University	55	0	0	36	0	0	0	19
Towson University	516	0	5	64	6	5	290	146
Uniformed Serv Univ of the Hlth Sciences	68	1	6	7	1	3	50	0
University of Baltimore	358	2	7	138	4	15	174	18
University of Maryland at College Park	2,467	5	93	137	55	83	1,255	839
University of Maryland, Baltimore	253	0	20	12	7	5	147	62
University of Maryland, Baltimore County	745	1	67	66	9	10	414	178
University of Maryland, Eastern Shore	128	1	0	32	2	0	23	70
Washington College	16	0	0	0	0	0	15	1
North Carolina	7,727	27	303	754	112	44	5,121	1,366
Appalachian State University	205	0	2	4	1	1	190	7
Duke University	1,140	4	81	36	23	3	746	247
East Carolina University	343	1	12	22	4	31	262	11
North Carolina A&T State University	195	0	1	125	0	0	30	39
North Carolina Central University	279	1	13	236	2	2	25	0
North Carolina State University	2,102	7	83	114	32	0	1,363	503
Univ of North Carolina at Chapel Hill	1,931	8	70	94	36	3	1,406	314
Univ of North Carolina at Charlotte	578	0	24	50	2	0	343	159
Univ of North Carolina at Greensboro	380	2	6	55	4	3	272	38
Univ of North Carolina at Wilmington	187	0	7	5	1	1	173	0
Wake Forest University	260	1	3	9	5	0	199	43
Western Carolina University	127	3	1	4	2	0	112	5
South Carolina	2,076	5	45	96	21	37	1,395	477
Clemson University	919	2	6	21	4	25	580	281
College of Charleston	154	2	4	2	0	1	139	6
Furman University	9	0	1	1	0	0	7	0
Medical University of South Carolina	216	1	9	13	0	4	160	29
University of South Carolina	711	0	25	49	16	7	455	159
Winthrop University	67	0	0	10	1	0	54	2

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Virginia	8,181	29	518	667	156	71	5,228	1,512
College of William and Mary	361	0	11	15	10	0	265	60
Eastern Virginia Medical School	124	1	6	17	1	0	82	17
George Mason University	2,400	6	255	110	62	0	1,399	568
Hampton University	115	2	3	99	2	0	9	0
Hollins University	0	0	0	0	0	0	0	0
Institute of Textile Technology	0	0	0	0	0	0	0	0
James Madison University	234	1	4	12	5	9	185	18
Old Dominion University	857	5	14	104	15	19	445	255
Radford University	171	2	4	9	3	0	140	13
University of Richmond	11	0	0	0	0	0	11	0
University of Virginia	1,093	9	79	36	12	16	774	167
Virginia Commonwealth University	973	1	47	119	16	23	711	56
Virginia Polytechnic Inst and State Univ	1,783	2	94	96	30	4	1,199	358
Virginia State University	59	0	1	50	0	0	8	0
West Virginia	1,442	7	25	27	5	40	993	345
Marshall University	522	4	6	15	1	40	425	31
University of Charleston	0	0	0	0	0	0	0	0
West Virginia Graduate College	0	0	0	0	0	0	0	0
West Virginia University	920	3	19	12	4	0	568	314
West Virginia University Institute of Tech	0	0	0	0	0	0	0	0
East South Central	12,157	33	387	1,341	113	161	7,429	2,693
Alabama	3,639	13	105	450	33	27	2,074	937
Alabama A&M University	147	0	2	76	0	0	0	69
Alabama State University	16	0	0	13	0	0	3	0
Auburn University	1,124	6	11	118	15	18	707	249
Jacksonville State University	159	0	4	54	2	2	97	0
Troy State University Montgomery	28	0	4	6	1	0	17	0
Tuskegee University	47	0	0	41	0	1	0	5
University of Alabama, The	680	2	5	54	4	4	438	173
University of Alabama at Birmingham, The	823	3	62	56	6	2	476	218
University of Alabama in Huntsville, The	299	0	13	18	3	0	159	106
University of Montevallo	0	0	0	0	0	0	0	0
University of South Alabama	316	2	4	14	2	0	177	117
Kentucky	2,561	6	56	86	31	92	1,623	667
Eastern Kentucky University	131	0	1	3	1	0	108	18
Morehead State University	63	0	0	0	0	0	53	10
Murray State University	172	1	2	4	2	3	136	24
Spalding University	149	2	2	7	2	0	135	1
University of Kentucky	1,233	2	17	46	12	87	695	374
University of Louisville	597	0	29	22	13	2	332	199
Western Kentucky University	216	1	5	4	1	0	164	41
Mississippi	2,127	4	41	357	15	21	1,231	458
Jackson State University	283	1	6	205	1	0	36	34
Mississippi State University	830	2	7	65	10	0	512	234
Mississippi University for Women	0	0	0	0	0	0	0	0
University of Mississippi	514	1	7	65	1	21	273	146
University of Southern Mississippi	500	0	21	22	3	0	410	44
Tennessee	3,830	10	185	448	34	21	2,501	631
Austin Peay State University	72	0	0	10	2	5	54	1
East Tennessee State University	214	2	37	5	0	2	168	0
Fisk University	41	0	0	34	0	0	4	3
Meharry Medical College	145	0	9	112	0	5	8	11
Middle Tennessee State University	276	2	40	15	2	2	215	0
Tennessee State University	246	0	3	130	6	0	93	14

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Tennessee, continued:								
Tennessee Technological University	94	0	0	1	1	0	84	8
University of Memphis, The	539	2	12	47	0	1	348	129
University of Tennessee at Chattanooga	166	0	7	19	1	0	124	15
University of Tennessee at Knoxville	1,136	3	24	41	12	2	839	215
University of Tennessee, Memphis	150	0	17	6	0	0	70	57
Vanderbilt University	751	1	36	28	10	4	494	178
West South Central	28,595	190	1,437	2,295	1,725	612	14,478	7,858
Arkansas	1,396	2	39	100	36	224	855	140
Arkansas State University	165	0	4	16	3	1	123	18
University of Arkansas Main	720	1	21	22	33	222	378	43
University of Arkansas at Little Rock	240	0	0	31	0	0	159	50
University of Arkansas, Med Sci Campus	117	0	12	11	0	0	65	29
University of Central Arkansas	154	1	2	20	0	1	130	0
Louisiana	4,347	7	79	905	75	119	2,130	1,032
Grambling State University	7	0	0	7	0	0	0	0
Louisiana State University	2,081	4	46	180	43	71	1,189	548
Louisiana Tech University	121	0	0	2	0	0	46	73
Loyola University New Orleans	0	0	0	0	0	0	0	0
McNeese State University	91	0	6	9	1	0	70	5
Nicholls State University	90	0	0	11	0	0	78	1
Northwestern State University	34	0	1	1	1	1	30	0
Southeastern Louisiana University	52	0	0	4	1	0	47	0
Southern University A&M, All Campuses	752	0	5	633	2	28	81	3
Tulane University	605	1	18	36	26	7	384	133
Univ of Louisiana at Lafayette	378	1	2	3	0	1	123	248
Univ of Louisiana at Monroe, The	136	1	1	19	1	11	82	21
Xavier University of Louisiana	0	0	0	0	0	0	0	0
Oklahoma	2,369	99	79	62	35	40	1,354	700
East Central University	16	0	4	2	0	0	10	0
Northeastern State University	130	23	1	7	1	1	97	0
Oklahoma State University	971	38	24	22	19	0	499	369
Southwestern Oklahoma State University	0	0	0	0	0	0	0	0
University of Oklahoma	1,071	34	42	29	12	28	648	278
University of Tulsa	181	4	8	2	3	11	100	53
Texas	20,483	82	1,240	1,228	1,579	229	10,139	5,986
Abilene Christian University	86	0	1	4	3	4	66	8
Angelo State University	101	1	1	1	18	0	78	2
Baylor College of Dentistry	12	0	0	0	1	0	7	4
Baylor College of Medicine	335	0	26	11	17	0	164	117
Baylor University	281	1	13	2	14	9	187	55
Lamar University	186	0	4	10	2	0	55	115
Midwestern State University	119	0	2	4	7	0	74	32
Prairie View A&M University	110	0	1	84	2	0	19	4
Rice University	517	2	20	19	21	2	259	194
Sam Houston State University	284	2	14	9	11	0	217	31
Southern Methodist University	297	0	17	4	7	0	164	105
Southwest Texas State University	649	4	7	29	89	8	392	120
St. Mary's University	300	0	12	17	125	7	124	15
Stephen F. Austin State University	239	7	9	3	10	0	186	24
Sul Ross State University	85	2	1	2	18	0	60	2
Tarleton State University	63	0	0	1	0	0	62	0
Tarleton University System Center	262	3	15	66	16	0	160	2
Texas A&M Univ	3,074	3	71	40	126	22	1,716	1,096
Texas A&M Univ-Commerce	375	2	7	10	5	0	147	204
Texas A&M Univ-Corpus Christi	334	2	9	7	93	0	189	34
Texas A&M Univ-Kingsville	237	1	6	6	96	0	86	42

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Texas, continued:								
Texas A&M Univ-Sys Health Science Cent	72	0	5	2	2	0	45	18
Texas Christian University	101	1	2	1	3	0	62	32
Texas Southern University	544	0	9	487	7	14	25	2
Texas Tech University	797	5	12	5	35	9	510	221
Texas Woman's University	370	2	18	29	36	0	259	26
Trinity University	0	0	0	0	0	0	0	0
Univ of Houston	1,282	6	335	57	32	26	425	401
Univ of Houston, Clear Lake	1,070	2	118	88	72	0	488	302
Univ of Houston, Victoria	34	0	0	3	6	0	25	0
Univ of North Texas	1,386	12	37	44	48	75	730	440
Univ of North Texas Hlth Sci Ctr at Fort	0	0	0	0	0	0	0	0
Univ of Texas at Arlington	1,081	6	55	45	38	0	454	483
Univ of Texas at Austin	2,012	4	55	23	101	33	1,103	693
Univ of Texas at Dallas	1,309	3	212	56	36	5	384	613
Univ of Texas at El Paso	411	1	11	7	145	0	127	120
Univ of Texas at San Antonio	274	3	13	4	84	0	120	50
Univ of Texas at Tyler	100	1	7	11	2	0	71	8
Univ of Texas Houston Hlth Sci Ctr	553	3	61	15	31	6	286	151
Univ of Texas M.D. Anderson Cancer Ctr	0	0	0	0	0	0	0	0
Univ of Texas Med Branch at Galveston	149	2	12	4	9	2	71	49
Univ of Texas SW Medical Ctr at Dallas	331	0	33	7	15	5	200	71
Univ of Texas San Antonio Hlth Sci Ctr	179	0	0	3	15	0	105	56
Univ of Texas of the Permian Basin	55	0	1	0	5	0	49	0
Univ of Texas-Pan American	167	0	6	0	125	1	18	17
University of the Incarnate Word	85	0	1	2	40	1	37	4
West Texas A&M University	175	1	1	6	11	0	133	23
Mountain	19,340	181	698	262	862	964	12,950	3,423
Arizona	4,527	68	158	77	229	89	2,935	971
Arizona State University	1,836	21	62	42	84	25	1,145	457
Northern Arizona University	509	19	9	11	29	7	410	24
University of Arizona	2,182	28	87	24	116	57	1,380	490
Colorado	6,058	33	251	104	236	337	4,138	959
Colorado School of Mines	390	1	5	5	7	11	241	120
Colorado State University	1,468	8	34	7	37	122	995	265
National Technological University	77	0	18	0	6	10	41	2
University of Colorado	3,075	18	136	64	151	184	2,089	433
University of Denver	828	5	56	26	25	1	583	132
University of Northern Colorado	220	1	2	2	10	9	189	7
Idaho	932	4	26	3	16	2	724	157
Idaho State University	217	1	1	0	4	0	198	13
University of Idaho	715	3	25	3	12	2	526	144
Montana	1,038	21	9	1	8	21	883	95
Montana State University-Bozeman	441	2	3	1	1	4	376	54
Montana Tech of the Univ of Montana	13	0	0	0	0	0	13	0
University of Montana, The	584	19	6	0	7	17	494	41
Nevada	1,094	6	43	20	38	64	753	170
University of Nevada Las Vegas	363	0	16	17	12	16	269	33
University of Nevada, Reno	731	6	27	3	26	48	484	137

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
New Mexico	2,348	32	47	34	277	350	1,139	469
Eastern New Mexico University	64	1	0	1	8	0	51	3
New Mexico Highlands University	82	1	0	1	12	0	53	15
New Mexico Institute of Mining and Tech	184	1	2	0	12	1	119	49
New Mexico State University	659	4	10	9	80	298	63	195
University of New Mexico	1,359	25	35	23	165	51	853	207
Utah	2,700	14	146	21	54	100	1,856	509
Brigham Young University	719	2	42	3	29	25	536	82
University of Utah	1,127	3	83	10	14	53	730	234
Utah State University	854	9	21	8	11	22	590	193
Wyoming	643	3	18	2	4	1	522	93
University of Wyoming	643	3	18	2	4	1	522	93
Pacific	50,032	392	5,122	2,060	3,275	3,939	25,375	9,869
Alaska	503	13	11	5	5	5	388	76
University of Alaska Anchorage	99	3	1	3	2	1	89	0
University of Alaska Fairbanks	386	10	10	2	1	4	287	72
University of Alaska Southeast	18	0	0	0	2	0	12	4
California	40,756	314	4,493	1,942	3,073	3,243	19,757	7,934
Azusa Pacific University	326	0	52	23	30	6	148	67
Biola University	40	0	7	0	2	0	26	5
Calif Institute of Integral Studies	354	1	0	3	7	0	333	10
Calif Institute of Technology	660	3	49	6	19	0	320	263
Calif Poly State Univ, San Luis Obispo	273	0	0	4	1	0	218	50
Calif Sch of Prof Psych-Alameda	223	3	37	17	10	24	117	15
Calif Sch of Prof Psych-Fresno	357	10	26	17	25	54	218	7
Calif Sch of Prof Psych-Los Angeles	370	2	51	34	48	23	205	7
Calif Sch of Prof Psych-San Diego	681	27	46	33	50	93	415	17
Calif State Poly Univ, Pomona	438	4	84	14	61	56	152	67
Calif State Univ, Bakersfield	107	3	2	5	26	2	68	1
Calif State Univ, Chico	421	4	20	7	22	44	214	110
Calif State Univ, Dominguez Hills	438	3	40	192	71	37	85	10
Calif State Univ, Fresno	443	7	28	16	88	32	184	88
Calif State Univ, Fullerton	850	5	168	24	102	83	332	136
Calif State Univ, Hayward	867	7	122	97	55	117	242	227
Calif State Univ, Long Beach	877	9	154	63	125	72	321	133
Calif State Univ, Los Angeles	739	4	131	59	238	92	155	60
Calif State Univ, Northridge	552	3	72	21	52	108	229	67
Calif State Univ, Sacramento	937	9	122	49	88	113	435	121
Calif State Univ, San Bernadino	426	3	31	35	70	39	178	70
Calif State Univ, Stanislaus	128	1	10	6	18	27	66	0
Chapman University	346	1	6	12	18	29	272	8
Charles R. Drew Univ of Medicine & Sci	0	0	0	0	0	0	0	0
Claremont Graduate School	604	2	56	35	58	57	258	138
Dominican University of California	95	0	2	3	10	12	53	15
Fielding Institute, The	895	11	19	80	36	21	683	45
Fuller Theological Seminary	304	2	46	16	20	13	173	34
Golden Gate University	373	1	64	33	18	34	130	93
Harvey Mudd College	0	0	0	0	0	0	0	0
Humboldt State University	242	7	7	3	8	42	171	4
John F Kennedy University	550	4	31	26	32	24	433	0
Loma Linda University	404	1	51	48	51	6	203	44
Loyola Marymount University	27	0	7	3	1	5	8	3
National University	2,255	22	194	293	340	110	1,129	167
Naval Postgraduate School	475	0	0	2	0	0	221	252
Northrop University	0	0	0	0	0	0	0	0
Occidental College	1	0	0	0	1	0	0	0
Pacific Graduate School of Psychology	288	3	27	12	17	14	205	10

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
California, continued:								
Pacific States University	14	0	0	0	0	0	0	14
Pepperdine University	646	3	40	56	64	150	318	15
RAND Graduate School of Policy Studies	64	0	4	1	1	0	33	25
San Diego State University	1,320	14	161	52	124	126	707	136
San Francisco State University	994	7	124	52	55	210	443	103
San Jose State University	687	6	185	18	42	94	248	94
Santa Clara University	334	2	51	5	9	51	104	112
Sonoma State University	49	0	0	3	1	7	38	0
Stanford University	2,122	12	270	51	52	61	920	756
US International University	235	5	12	14	18	17	154	15
University of Calif, Berkeley	2,978	22	283	69	129	150	1,722	603
University of Calif, Davis	2,083	19	220	29	78	180	1,142	415
University of Calif, Irvine	1,075	2	142	4	58	107	480	282
University of Calif, Los Angeles	2,956	22	494	97	192	182	1,260	709
University of Calif, Riverside	816	2	72	8	47	63	341	283
University of Calif, San Diego	1,391	13	179	18	68	66	764	283
University of Calif, San Francisco	347	1	72	6	17	3	216	32
University of Calif, Santa Barbara	1,178	4	80	9	61	100	682	242
University of Calif, Santa Cruz	662	8	50	10	40	81	366	107
University of La Verne	225	2	24	42	44	12	87	14
University of Redlands	15	1	0	0	0	1	13	0
University of San Diego	61	0	8	0	4	4	43	2
University of San Francisco	119	0	20	3	6	9	22	59
University of Southern California	2,687	7	219	77	131	159	815	1,279
University of the Pacific	50	0	6	2	1	1	30	10
West Coast University	0	0	0	0	0	0	0	0
Wright Institute	282	0	15	25	13	20	209	0
Hawaii	1,233	0	208	7	30	98	448	442
University of Hawaii at Manoa	1,233	0	208	7	30	98	448	442
Oregon	3,019	26	151	24	65	313	1,848	592
Oregon Grad Inst of Science & Technology	241	0	6	0	1	127	22	85
Oregon Health Sciences University	149	0	10	2	2	6	101	28
Oregon State University	1,080	6	93	6	21	80	655	219
Pacific University	0	0	0	0	0	0	0	0
Portland State University	794	8	25	11	25	43	556	126
Southern Oregon University	89	1	0	0	0	14	68	6
University of Oregon	666	11	17	5	16	43	446	128
University of Portland	0	0	0	0	0	0	0	0
Washington	4,521	39	259	82	102	280	2,934	825
Central Washington University	110	7	2	0	3	5	90	3
Eastern Washington University	206	7	13	3	6	50	127	0
Gonzaga University	0	0	0	0	0	0	0	0
Pacific Lutheran University	38	0	1	2	1	11	23	0
Saint Martin's College	0	0	0	0	0	0	0	0
Seattle University	161	2	8	16	3	23	105	4
University of Washington	2,889	17	205	44	67	164	1,819	573
Walla Walla College	10	0	0	0	0	0	10	0
Washington State University	913	3	21	14	21	15	606	233
Western Washington University	194	3	9	3	1	12	154	12
Whitworth College	0	0	0	0	0	0	0	0
Outlying Areas	2,752	0	59	0	2,500	3	30	160
Guam	87	0	59	0	4	3	16	5
University of Guam	87	0	59	0	4	3	16	5

See explanatory information, if any, and SOURCE at end of table.

Table 30. Graduate science students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Puerto Rico	2,665	0	0	0	2,496	0	14	155
Caribbean Center for Advanced Studies	594	0	0	0	594	0	0	0
Ponce School of Medicine	21	0	0	0	20	0	1	0
Pontifical Cath Univ of Puerto Rico, The	311	0	0	0	311	0	0	0
Univ of Puerto Rico Mayaguez Campus	454	0	0	0	360	0	13	81
Univ of Puerto Rico Med Sci Campus	135	0	0	0	135	0	0	0
Univ of Puerto Rico Rio Piedras Campus	1,150	0	0	0	1,076	0	0	74

NOTE: Includes medical schools.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all institutions	104,601	209	8,098	3,001	3,017	4,290	39,206	46,780
New England	7,975	9	467	128	120	645	3,387	3,219
Connecticut	1,013	0	39	13	21	97	400	443
Central Connecticut State University	0	0	0	0	0	0	0	0
Connecticut College	0	0	0	0	0	0	0	0
Quinnipiac College	0	0	0	0	0	0	0	0
Rensselaer at Hartford	266	0	23	4	12	51	176	0
Southern Connecticut State University	0	0	0	0	0	0	0	0
St. Joseph College	0	0	0	0	0	0	0	0
Trinity College	0	0	0	0	0	0	0	0
University of Bridgeport	100	0	1	1	1	1	4	92
University of Connecticut	393	0	4	4	2	25	123	235
University of Hartford	70	0	3	1	4	1	38	23
University of New Haven	78	0	1	3	1	10	38	25
Wesleyan University	0	0	0	0	0	0	0	0
Western Connecticut State University	0	0	0	0	0	0	0	0
Yale University	106	0	7	0	1	9	21	68
Maine	129	1	1	1	3	1	68	54
University of Maine	129	1	1	1	3	1	68	54
University of New England	0	0	0	0	0	0	0	0
Massachusetts	6,166	8	389	102	90	531	2,555	2,491
American International College	0	0	0	0	0	0	0	0
Anna Maria College	0	0	0	0	0	0	0	0
Assumption College	0	0	0	0	0	0	0	0
Boston College	0	0	0	0	0	0	0	0
Boston University	392	1	20	7	4	91	86	183
Brandeis University	0	0	0	0	0	0	0	0
Bridgewater State College	0	0	0	0	0	0	0	0
Clark University	0	0	0	0	0	0	0	0
Framingham State College	0	0	0	0	0	0	0	0
Harvard University	194	0	19	3	1	8	73	90
MGH Institute of Health Professions	0	0	0	0	0	0	0	0
Mass College of Pharmacy/Allied Health	0	0	0	0	0	0	0	0
Massachusetts Institute of Technology	2,497	4	253	62	57	98	1,027	996
Mount Holyoke College	0	0	0	0	0	0	0	0
Northeastern University	945	0	30	10	3	266	190	446
Salem State College	0	0	0	0	0	0	0	0
Smith College	0	0	0	0	0	0	0	0
Tufts University	367	0	39	6	4	5	242	71
University of Massachusetts	498	2	9	3	9	15	156	304
University of Massachusetts Dartmouth	92	1	0	0	1	0	23	67
University of Massachusetts Lowell	723	0	2	8	1	45	459	208
Western New England College	63	0	4	1	3	2	53	0
Williams College	0	0	0	0	0	0	0	0
Woods Hole Oceanographic Institution	26	0	0	0	1	0	19	6
Worcester Polytechnic Institute	369	0	13	2	6	1	227	120
Worcester State College	0	0	0	0	0	0	0	0
New Hampshire	266	0	8	3	1	7	149	98
Dartmouth College	106	0	5	3	1	0	54	43
Rivier College	0	0	0	0	0	0	0	0
University of New Hampshire	160	0	3	0	0	7	95	55
Rhode Island	282	0	24	7	3	1	132	115
Brown University	82	0	3	4	1	0	26	48
Rhode Island College	0	0	0	0	0	0	0	0
University of Rhode Island	200	0	21	3	2	1	106	67

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents: American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	Students with temporary visas
Vermont	119	0	6	2	2	8	83	18
Goddard College	0	0	0	0	0	0	0	0
Marlboro College	30	0	6	1	0	8	15	0
Middlebury College	0	0	0	0	0	0	0	0
University of Vermont	89	0	0	1	2	0	68	18
Middle Atlantic	13,715	10	835	408	280	740	4,840	6,602
New Jersey	3,019	2	270	114	111	217	923	1,382
College of New Jersey, The	0	0	0	0	0	0	0	0
Drew University	0	0	0	0	0	0	0	0
Fairleigh Dickinson University	48	0	1	1	0	1	7	38
Kean University	0	0	0	0	0	0	0	0
Monmouth University	109	0	24	7	6	14	37	21
Montclair State University	0	0	0	0	0	0	0	0
New Jersey Institute of Technology	1,136	2	109	71	58	137	302	457
Princeton University	454	0	37	6	10	0	153	248
Rutgers the State Univ of New Jersey	723	0	49	14	17	29	189	425
Seton Hall University	0	0	0	0	0	0	0	0
Stevens Institute of Technology	545	0	49	15	20	36	234	191
Univ of Med and Dentistry of New Jersey	4	0	1	0	0	0	1	2
William Paterson U of NJ	0	0	0	0	0	0	0	0
New York	6,444	5	365	204	118	390	2,152	3,210
Adelphi University	0	0	0	0	0	0	0	0
Albany Medical College	0	0	0	0	0	0	0	0
Alfred University	71	0	0	0	0	0	43	28
CUNY Baruch College	0	0	0	0	0	0	0	0
CUNY Brooklyn College	0	0	0	0	0	0	0	0
CUNY City College	148	2	15	24	8	29	13	57
CUNY College of Staten Island	0	0	0	0	0	0	0	0
CUNY Graduate Center	120	0	4	12	4	0	17	83
CUNY Herbert H. Lehman College	0	0	0	0	0	0	0	0
CUNY Hunter College	0	0	0	0	0	0	0	0
CUNY John Jay College of Crim Justice	0	0	0	0	0	0	0	0
CUNY Queens College	0	0	0	0	0	0	0	0
Clarkson University	152	1	0	3	0	0	55	93
College of New Rochelle	0	0	0	0	0	0	0	0
College of St Rose	0	0	0	0	0	0	0	0
Columbia Univ in the City of New York	569	0	38	5	7	40	111	368
Cooper Union	37	0	10	1	2	0	20	4
Cornell University	737	1	59	15	23	14	214	411
Fordham University	0	0	0	0	0	0	0	0
Hofstra University	0	0	0	0	0	0	0	0
Iona College	0	0	0	0	0	0	0	0
Ithaca College	0	0	0	0	0	0	0	0
Long Island University	0	0	0	0	0	0	0	0
Manhattan College	109	0	10	5	5	22	60	6
Marist College	0	0	0	0	0	0	0	0
Mt. Sinai School of Medicine	0	0	0	0	0	0	0	0
New School University	0	0	0	0	0	0	0	0
New York Institute of Technology	213	0	16	28	13	29	93	34
New York Medical College	0	0	0	0	0	0	0	0
New York University	0	0	0	0	0	0	0	0
Niagara University	0	0	0	0	0	0	0	0
Pace University	0	0	0	0	0	0	0	0
Polytechnic University	457	0	76	31	7	174	80	89
Pratt Institute	0	0	0	0	0	0	0	0
Rensselaer Polytechnic Institute	1,217	0	44	36	23	5	576	533
Rochester Institute of Technology	185	0	11	4	5	6	83	76
Rockefeller University, The	0	0	0	0	0	0	0	0
Russell Sage College	0	0	0	0	0	0	0	0
SUNY at Albany	0	0	0	0	0	0	0	0
SUNY at Binghamton	293	0	15	13	2	41	84	138

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
New York, continued:								
SUNY at Buffalo	78[illegible]	1	27	15	4	23	309	404
SUNY at New Paltz	2	0	0	0	0	0	0	2
SUNY at Stony Brook	305	0	22	5	4	4	63	207
SUNY College at Brockport	0	0	0	0	0	0	0	0
SUNY College at Buffalo	0	0	0	0	0	0	0	0
SUNY College at Cortland	0	0	0	0	0	0	0	0
SUNY College at Fredonia	0	0	0	0	0	0	0	0
SUNY College at Geneseo	0	0	0	0	0	0	0	0
SUNY College at Oneonta	0	0	0	0	0	0	0	0
SUNY College at Oswego	0	0	0	0	0	0	0	0
SUNY College at Plattsburgh	0	0	0	0	0	0	0	0
SUNY College at Potsdam	0	0	0	0	0	0	0	0
SUNY College of Env Science and Forestry	98	0	2	1	1	0	67	27
SUNY College of Optometry	0	0	0	0	0	0	0	0
SUNY Health Science Center at Brooklyn	0	0	0	0	0	0	0	0
SUNY Inst of Technology at Utica-Rome	0	0	0	0	0	0	0	0
SUNY Upstate Medical University	0	0	0	0	0	0	0	0
Sarah Lawrence College	0	0	0	0	0	0	0	0
St. Bonaventure University	0	0	0	0	0	0	0	0
St. John's University	0	0	0	0	0	0	0	0
Syracuse University	754	0	10	3	7	2	177	555
Teachers College, Columbia University	0	0	0	0	0	0	0	0
Union College	21	0	0	0	0	0	20	1
University of Rochester	173	0	6	3	2	1	67	94
Vassar College	0	0	0	0	0	0	0	0
Wagner College	0	0	0	0	0	0	0	0
Yeshiva University	0	0	0	0	0	0	0	0
Pennsylvania	4,252	3	200	90	51	133	1,765	2,010
Bloomsburg University of Pennsylvania	0	0	0	0	0	0	0	0
Bryn Mawr College	0	0	0	0	0	0	0	0
Bucknell University	22	0	0	0	0	0	14	8
California University of Pennsylvania	0	0	0	0	0	0	0	0
Carnegie Mellon University	597	1	30	8	2	16	198	342
Clarion University of Pennsylvania	0	0	0	0	0	0	0	0
Drexel University	548	1	45	17	5	60	233	187
Duquesne University	0	0	0	0	0	0	0	0
East Stroudsburg Univ of Pennsylvania	0	0	0	0	0	0	0	0
Edinboro University of Pennsylvania	0	0	0	0	0	0	0	0
Gannon University	76	0	1	1	0	0	29	45
Indiana University of Pennsylvania	0	0	0	0	0	0	0	0
Kutztown University of Pennsylvania	0	0	0	0	0	0	0	0
Lehigh University	472	0	26	11	12	15	199	209
MCP Hahnemann University	0	0	0	0	0	0	0	0
Mansfield University of Pennsylvania	0	0	0	0	0	0	0	0
Marywood University	0	0	0	0	0	0	0	0
Medical College of Pennsylvania, The	0	0	0	0	0	0	0	0
Millersville University of Pennsylvania	0	0	0	0	0	0	0	0
Pennsylvania State University	1,307	1	25	25	8	6	501	741
Philadelphia College of Osteopathic Med	0	0	0	0	0	0	0	0
Shippensburg University of Pennsylvania	0	0	0	0	0	0	0	0
Slippery Rock University of Pennsylvania	0	0	0	0	0	0	0	0
St Joseph's University	0	0	0	0	0	0	0	0
Swarthmore College	0	0	0	0	0	0	0	0
Temple University	70	0	4	2	1	3	31	29
Thomas Jefferson University	0	0	0	0	0	0	0	0
Univ of the Sciences in Philadelphia	0	0	0	0	0	0	0	0
University of Pennsylvania	325	0	48	11	12	0	126	128
University of Pittsburgh	580	0	17	13	6	7	307	230
University of Scranton	0	0	0	0	0	0	0	0
Villanova University	183	0	2	2	5	26	92	56
West Chester University of Pennsylvania	0	0	0	0	0	0	0	0
Widener University, All Campuses	57	0	2	0	0	0	24	31
Wilkes University	15	0	0	0	0	0	11	4

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
East North Central	20,176	21	1,717	428	299	634	7,555	9,522
Illinois	4,725	4	295	92	91	50	1,489	2,704
Bradley University	193	0	5	5	2	0	65	116
Chicago School of Prof Psych	0	0	0	0	0	0	0	0
Chicago State University	0	0	0	0	0	0	0	0
DePaul University	0	0	0	0	0	0	0	0
Eastern Illinois University	0	0	0	0	0	0	0	0
Finch U of Hlth Sci/The Chicago Med Sch	0	0	0	0	0	0	0	0
Governors State University	0	0	0	0	0	0	0	0
Illinois Institute of Technology	824	1	57	8	20	2	194	542
Illinois State University	0	0	0	0	0	0	0	0
Loyola University of Chicago	0	0	0	0	0	0	0	0
Midwestern University	0	0	0	0	0	0	0	0
Northeastern Illinois University	0	0	0	0	0	0	0	0
Northern Illinois University	145	0	12	2	3	0	57	71
Northwestern University	562	1	45	13	11	10	234	248
Roosevelt University	29	0	2	3	1	2	11	10
Rush University	0	0	0	0	0	0	0	0
Southern Illinois Univ at Carbondale	310	0	12	18	0	0	105	175
Southern Illinois Univ at Edwardsville	220	0	5	3	0	0	56	156
University of Chicago	0	0	0	0	0	0	0	0
University of Illinois at Chicago	999	1	58	29	18	16	239	638
University of Illinois at Springfield	0	0	0	0	0	0	0	0
University of Illinois at Urbana-Champaign	1,443	1	99	11	36	20	528	748
Western Illinois University	0	0	0	0	0	0	0	0
Indiana	2,129	4	67	35	42	12	721	1,248
Ball State University	33	0	0	0	0	0	32	1
Butler University	0	0	0	0	0	0	0	0
Indiana State University	0	0	0	0	0	0	0	0
Indiana University	91	0	5	0	2	0	28	56
Indiana Wesleyan University	0	0	0	0	0	0	0	0
Purdue University	1,577	1	54	25	34	12	467	984
Rose-Hulman Institute of Technology	137	0	2	1	1	0	98	35
University of Evansville	0	0	0	0	0	0	0	0
University of Notre Dame	291	3	6	9	5	0	96	172
University of Saint Francis	0	0	0	0	0	0	0	0
Valparaiso University	0	0	0	0	0	0	0	0
Michigan	6,387	7	1,193	206	90	477	2,665	1,749
Andrews University	0	0	0	0	0	0	0	0
Central Michigan University	0	0	0	0	0	0	0	0
Eastern Michigan University	0	0	0	0	0	0	0	0
Grand Valley State University	16	0	1	2	0	0	13	0
Michigan State University	472	0	26	20	19	2	126	279
Michigan Technological University	357	0	4	2	0	12	176	163
Northern Michigan University	0	0	0	0	0	0	0	0
Oakland University	653	3	65	24	11	39	369	142
University of Detroit Mercy	143	1	3	12	0	6	80	41
University of Michigan	2,511	2	170	70	47	110	1,231	881
Wayne State University	1,884	1	918	71	12	308	547	27
Western Michigan University	351	0	6	5	1	0	123	216
Ohio	4,812	2	110	74	45	71	1,549	2,961
Air Force Institute of Technology	210	0	0	0	1	11	101	97
Antioch University	0	0	0	0	0	0	0	0
Bowling Green State University	0	0	0	0	0	0	0	0
Case Western Reserve University	469	0	26	6	6	8	177	246
Cleveland State University	208	0	11	4	1	4	90	98
John Carroll University	0	0	0	0	0	0	0	0
Kent State University	0	0	0	0	0	0	0	0
Medical College of Ohio	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Ohio, continued:								
Miami University (OH)	41	0	2	0	1	0	37	1
Ohio State University	1,122	1	13	9	17	9	344	729
Ohio University	292	0	6	4	0	0	56	226
Union Institute, The	0	0	0	0	0	0	0	0
University of Akron	355	1	13	6	4	3	82	246
University of Cincinnati	912	0	10	16	0	8	224	654
University of Dayton	338	0	12	16	11	20	212	67
University of Toledo	472	0	1	2	0	0	68	401
Wright State University	352	0	16	10	4	8	125	189
Xavier University	0	0	0	0	0	0	0	0
Youngstown State University	41	0	0	1	0	0	33	7
Wisconsin	2,123	4	52	21	31	24	1,131	860
Marquette University	323	1	12	2	4	5	213	86
Medical College of Wisconsin	6	0	0	0	0	0	3	3
Milwaukee School of Engineering	321	0	4	3	1	0	300	13
University of Wisconsin-Eau Claire	0	0	0	0	0	0	0	0
University of Wisconsin-Green Bay	31	2	0	0	0	0	29	0
University of Wisconsin-La Crosse	0	0	0	0	0	0	0	0
University of Wisconsin-Madison	1,101	0	25	10	18	19	395	634
University of Wisconsin-Milwaukee	301	1	6	6	6	0	171	111
University of Wisconsin-Oshkosh	0	0	0	0	0	0	0	0
University of Wisconsin-Platteville	7	0	4	0	0	0	0	3
University of Wisconsin-River Falls	0	0	0	0	0	0	0	0
University of Wisconsin-Stevens Point	0	0	0	0	0	0	0	0
University of Wisconsin-Stout	33	0	1	0	2	0	20	10
University of Wisconsin-Whitewater	0	0	0	0	0	0	0	0
West North Central	5,886	7	166	80	74	103	2,337	3,119
Iowa	1,142	0	19	14	15	21	379	694
Des Moines Univ-Osteopathic Med Ctr	0	0	0	0	0	0	0	0
Drake University	0	0	0	0	0	0	0	0
Iowa State University	811	0	8	11	6	15	260	511
Loras College	0	0	0	0	0	0	0	0
Maharishi University of Management	0	0	0	0	0	0	0	0
Marycrest International Univ	0	0	0	0	0	0	0	0
University of Iowa	331	0	11	3	9	6	119	183
University of Northern Iowa	0	0	0	0	0	0	0	0
Kansas	1,362	5	31	12	20	20	536	738
Emporia State University	0	0	0	0	0	0	0	0
Fort Hays State University	0	0	0	0	0	0	0	0
Kansas State University	314	0	4	1	3	2	132	172
Pittsburg State University	0	0	0	0	0	0	0	0
University of Kansas	560	4	14	7	13	18	295	209
Washburn University of Topeka	0	0	0	0	0	0	0	0
Wichita State University	488	1	13	4	4	0	109	357
Minnesota	1,207	0	54	14	10	7	527	595
Bemidji State University	0	0	0	0	0	0	0	0
Mayo Graduate School	15	0	1	0	2	0	5	7
Minnesota State University Moorhead	0	0	0	0	0	0	0	0
Minnesota State University at Mankato	9	0	1	0	0	3	2	3
St. Cloud State University	0	0	0	0	0	0	0	0
St. Mary's University of Minnesota	0	0	0	0	0	0	0	0
University of Minnesota	1,183	0	52	14	8	4	520	585
Walden University	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents: American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	Students with temporary visas
Missouri	1,450	1	46	35	27	51	571	719
Central Missouri State University	11	0	0	0	0	2	5	4
Forest Institute of Professional Psych	0	0	0	0	0	0	0	0
Kirksville College of Osteopathic Med	0	0	0	0	0	0	0	0
Lincoln University	0	0	0	0	0	0	0	0
Northwest Missouri State University	0	0	0	0	0	0	0	0
Saint Louis University	15	0	1	0	1	0	2	11
Southeast Missouri State University	0	0	0	0	0	0	0	0
Southwest Missouri State University	11	0	4	1	0	0	6	0
Truman State University	0	0	0	0	0	0	0	0
University of Missouri-Columbia	344	0	7	9	10	2	85	231
University of Missouri-Kansas City	0	0	0	0	0	0	0	0
University of Missouri-Rolla	810	1	22	22	12	32	364	357
University of Missouri-St. Louis	0	0	0	0	0	0	0	0
Washington University	259	0	12	3	4	15	109	116
Nebraska	340	0	4	0	2	2	144	188
Creighton University	0	0	0	0	0	0	0	0
University of Nebraska at Kearney	0	0	0	0	0	0	0	0
University of Nebraska at Lincoln	340	0	4	0	2	2	144	188
University of Nebraska at Omaha	0	0	0	0	0	0	0	0
University of Nebraska Medical Center	0	0	0	0	0	0	0	0
North Dakota	126	0	8	5	0	1	67	45
North Dakota State University	93	0	6	5	0	0	43	39
University of North Dakota	33	0	2	0	0	1	24	6
South Dakota	259	1	4	0	0	1	113	140
South Dakota School of Mines and Tech	172	1	4	0	0	1	71	95
South Dakota State University	87	0	0	0	0	0	42	45
University of South Dakota	0	0	0	0	0	0	0	0
South Atlantic	19,207	31	1,118	1,176	699	324	7,809	8,050
Delaware	402	0	41	10	5	11	155	180
Delaware State University	0	0	0	0	0	0	0	0
University of Delaware	402	0	41	10	5	11	155	180
District of Columbia	1,482	3	95	145	43	52	712	432
American University	0	0	0	0	0	0	0	0
Catholic University of America	103	0	6	8	2	7	33	47
Gallaudet University	0	0	0	0	0	0	0	0
George Washington University	1,330	3	88	98	41	45	678	377
Georgetown University	0	0	0	0	0	0	0	0
Howard University	49	0	1	39	0	0	1	8
University of the District of Columbia	0	0	0	0	0	0	0	0
Florida	4,577	12	235	301	435	61	1,541	1,992
Embry-Riddle Aeronautical University	35	0	0	2	2	1	5	25
Florida A&M University	106	0	1	76	6	8	15	0
Florida Atlantic University	223	0	14	7	19	0	68	115
Florida Institute of Technology	255	0	14	8	23	7	97	106
Florida International University	423	1	13	21	148	0	51	189
Florida State University	252	2	56	79	7	0	57	51
Jacksonville University	0	0	0	0	0	0	0	0
Nova Southeastern University	0	0	0	0	0	0	0	0
University of Central Florida	774	2	34	30	49	31	303	325
University of Florida	1,532	4	56	48	77	9	569	769
University of Miami	249	1	9	9	39	1	91	99
University of South Florida	728	2	38	21	65	4	285	313

See explanatory information, if any, and SOURCE at end of table

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Florida, continued:								
University of West Florida	0	0	0	0	0	0	0	0
Georgia	3,223	4	200	184	76	120	1,358	1,281
Augusta State University	0	0	0	0	0	0	0	0
Clark Atlanta University	0	0	0	0	0	0	0	0
Emory University	0	0	0	0	0	0	0	0
Fort Valley State University	0	0	0	0	0	0	0	0
Georgia College and State University	0	0	0	0	0	0	0	0
Georgia Institute of Technology	3,025	4	180	183	73	15	1,293	1,277
Georgia Southern University	0	0	0	0	0	0	0	0
Georgia State University	0	0	0	0	0	0	0	0
Institute of Paper Science & Technology	69	0	9	1	3	0	52	4
Medical College of Georgia	0	0	0	0	0	0	0	0
Mercer University	104	0	0	0	0	104	0	0
Morehouse School of Medicine	0	0	0	0	0	0	0	0
State University of West Georgia	0	0	0	0	0	0	0	0
University of Georgia	25	0	11	0	0	1	13	0
Valdosta State University	0	0	0	0	0	0	0	0
Maryland	2,271	3	184	157	36	52	785	1,054
Coppin State College	0	0	0	0	0	0	0	0
Frostburg State University	0	0	0	0	0	0	0	0
Hood College	0	0	0	0	0	0	0	0
Johns Hopkins University	311	2	58	7	9	2	124	109
Loyola College	148	0	8	14	1	11	104	10
Morgan State University	56	0	9	43	1	0	3	0
Towson University	0	0	0	0	0	0	0	0
Uniformed Serv Univ of the Hlth Sciences	0	0	0	0	0	0	0	0
University of Baltimore	0	0	0	0	0	0	0	0
University of Maryland at College Park	1,619	1	101	85	24	39	518	851
University of Maryland, Baltimore	0	0	0	0	0	0	0	0
University of Maryland, Baltimore County	137	0	8	8	1	0	36	84
University of Maryland, Eastern Shore	0	0	0	0	0	0	0	0
Washington College	0	0	0	0	0	0	0	0
North Carolina	2,190	4	103	214	30	0	916	923
Appalachian State University	0	0	0	0	0	0	0	0
Duke University	239	0	10	3	3	0	110	113
East Carolina University	0	0	0	0	0	0	0	0
North Carolina A&T State University	220	0	12	129	2	0	22	55
North Carolina Central University	0	0	0	0	0	0	0	0
North Carolina State University	1,438	4	65	63	23	0	649	634
Univ of North Carolina at Chapel Hill	57	0	6	5	0	0	27	19
Univ of North Carolina at Charlotte	226	0	10	13	2	0	103	98
Univ of North Carolina at Greensboro	0	0	0	0	0	0	0	0
Univ of North Carolina at Wilmington	0	0	0	0	0	0	0	0
Wake Forest University	10	0	0	1	0	0	5	4
Western Carolina University	0	0	0	0	0	0	0	0
South Carolina	1,109	1	21	17	10	13	355	692
Clemson University	603	1	3	10	3	11	223	352
College of Charleston	0	0	0	0	0	0	0	0
Furman University	0	0	0	0	0	0	0	0
Medical University of South Carolina	0	0	0	0	0	0	0	0
University of South Carolina	506	0	18	7	7	2	132	340
Winthrop University	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Virginia	3,371	3	216	144	62	15	1,734	1,197
College of William and Mary	47	0	1	3	1	0	23	19
Eastern Virginia Medical School	0	0	0	0	0	0	0	0
George Mason University	537	1	71	53	20	0	317	75
Hampton University	0	0	0	0	0	0	0	0
Hollins University	0	0	0	0	0	0	0	0
Institute of Textile Technology	20	0	1	2	0	0	17	0
James Madison University	0	0	0	0	0	0	0	0
Old Dominion University	420	0	17	24	4	8	171	196
Radford University	0	0	0	0	0	0	0	0
University of Richmond	0	0	0	0	0	0	0	0
University of Virginia	538	0	37	10	3	5	332	151
Virginia Commonwealth University	52	0	0	3	1	0	20	28
Virginia Polytechnic Inst and State Univ	1,757	2	89	49	33	2	854	728
Virginia State University	0	0	0	0	0	0	0	0
West Virginia	582	1	23	4	2	0	253	299
Marshall University	29	1	1	0	0	0	27	0
University of Charleston	0	0	0	0	0	0	0	0
West Virginia Graduate College	0	0	0	0	0	0	0	0
West Virginia University	538	0	9	4	2	0	224	299
West Virginia University Institute of Tech	15	0	13	0	0	0	2	0
East South Central	4,388	6	239	216	47	41	1,953	1,886
Alabama	1,522	3	133	96	13	21	691	565
Alabama A&M University	0	0	0	0	0	0	0	0
Alabama State University	0	0	0	0	0	0	0	0
Auburn University	374	1	3	14	4	4	188	160
Jacksonville State University	0	0	0	0	0	0	0	0
Troy State University Montgomery	0	0	0	0	0	0	0	0
Tuskegee University	55	0	0	24	0	12	0	19
University of Alabama, The	263	0	75	8	1	2	84	93
University of Alabama at Birmingham, The	295	0	35	19	2	3	100	136
University of Alabama in Huntsville, The	454	2	17	29	5	0	304	97
University of Montevallo	0	0	0	0	0	0	0	0
University of South Alabama	81	0	3	2	1	0	15	60
Kentucky	829	1	36	21	8	17	408	338
Eastern Kentucky University	0	0	0	0	0	0	0	0
Morehead State University	0	0	0	0	0	0	0	0
Murray State University	0	0	0	0	0	0	0	0
Spalding University	0	0	0	0	0	0	0	0
University of Kentucky	299	0	7	2	0	16	115	159
University of Louisville	530	1	29	19	8	1	293	179
Western Kentucky University	0	0	0	0	0	0	0	0
Mississippi	501	0	5	17	15	1	153	310
Jackson State University	0	0	0	0	0	0	0	0
Mississippi State University	400	0	5	17	14	0	123	241
Mississippi University for Women	0	0	0	0	0	0	0	0
University of Mississippi	101	0	0	0	1	1	30	69
University of Southern Mississippi	0	0	0	0	0	0	0	0
Tennessee	1,536	2	65	82	11	2	701	673
Austin Peay State University	0	0	0	0	0	0	0	0
East Tennessee State University	0	0	0	0	0	0	0	0
Fisk University	0	0	0	0	0	0	0	0
Meharry Medical College	0	0	0	0	0	0	0	0
Middle Tennessee State University	0	0	0	0	0	0	0	0
Tennessee State University	86	0	6	21	1	0	13	45

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Tennessee, continued:								
Tennessee Technological University	176	0	0	1	2	0	55	118
University of Memphis, The	289	0	11	13	1	0	114	150
University of Tennessee at Chattanooga	53	0	3	7	0	0	29	14
University of Tennessee at Knoxville	540	2	11	17	5	0	332	173
University of Tennessee, Memphis	30	0	1	3	0	0	11	15
Vanderbilt University	362	0	33	20	2	2	147	158
West South Central	10,439	53	678	252	470	295	3,291	5,400
Arkansas	562	5	39	33	7	125	189	164
Arkansas State University	0	0	0	0	0	0	0	0
University of Arkansas Main	562	5	39	33	7	125	189	164
University of Arkansas at Little Rock	0	0	0	0	0	0	0	0
University of Arkansas, Med Sci Campus	0	0	0	0	0	0	0	0
University of Central Arkansas	0	0	0	0	0	0	0	0
Louisiana	1,127	2	17	30	16	79	352	631
Grambling State University	0	0	0	0	0	0	0	0
Louisiana State University	580	2	11	16	7	10	175	359
Louisiana Tech University	194	0	0	1	0	0	46	147
Loyola University New Orleans	0	0	0	0	0	0	0	0
McNeese State University	12	0	0	0	0	0	3	9
Nicholls State University	0	0	0	0	0	0	0	0
Northwestern State University	0	0	0	0	0	0	0	0
Southeastern Louisiana University	0	0	0	0	0	0	0	0
Southern University A&M, All Campuses	0	0	0	0	0	0	0	0
Tulane University	189	0	6	10	9	0	105	59
Univ of Louisiana at Lafayette	152	0	0	3	0	69	23	57
Univ of Louisiana at Monroe, The	0	0	0	0	0	0	0	0
Xavier University of Louisiana	0	0	0	0	0	0	0	0
Oklahoma	1,116	30	22	15	15	12	317	705
East Central University	0	0	0	0	0	0	0	0
Northeastern State University	51	12	1	0	0	2	36	0
Oklahoma State University	489	10	6	4	7	0	146	316
Southwestern Oklahoma State University	0	0	0	0	0	0	0	0
University of Oklahoma	451	6	12	11	7	7	118	290
University of Tulsa	125	2	3	0	1	3	17	99
Texas	7,634	16	600	174	432	79	2,433	3,900
Abilene Christian University	0	0	0	0	0	0	0	0
Angelo State University	0	0	0	0	0	0	0	0
Baylor College of Dentistry	0	0	0	0	0	0	0	0
Baylor College of Medicine	0	0	0	0	0	0	0	0
Baylor University	0	0	0	0	0	0	0	0
Lamar University	156	0	9	0	2	0	28	117
Midwestern State University	0	0	0	0	0	0	0	0
Prairie View A&M University	29	0	3	12	1	0	4	9
Rice University	246	2	15	5	5	1	76	142
Sam Houston State University	0	0	0	0	0	0	0	0
Southern Methodist University	741	1	104	47	49	0	400	140
Southwest Texas State University	0	0	0	0	0	0	0	0
St Mary's University	62	0	3	1	15	0	34	9
phen F. Austin State University	0	0	0	0	0	0	0	0
Ross State University	0	0	0	0	0	0	0	0
Tarleton State University	0	0	0	0	0	0	0	0
Tarleton University System Center	0	0	0	0	0	0	0	0
Texas A&M Univ	1,845	0	119	19	99	48	487	1,073
Texas A&M Univ-Commerce	0	0	0	0	0	0	0	0
Texas A&M Univ-Corpus Christi	0	0	0	0	0	0	0	0
Texas A&M Univ-Kingsville	161	0	8	0	16	0	12	125

See explanatory information, if any, and SOURCE at end of table

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Texas, continued:								
Texas A&M Univ-Sys Health Science Cent	0	0	0	0	0	0	0	0
Texas Christian University	0	0	0	0	0	0	0	0
Texas Southern University	0	0	0	0	0	0	0	0
Texas Tech University	393	1	3	5	20	1	155	208
Texas Woman's University	0	0	0	0	0	0	0	0
Trinity University	0	0	0	0	0	0	0	0
Univ of Houston	635	1	166	35	33	19	194	187
Univ of Houston, Clear Lake	89	0	7	7	6	0	44	25
Univ of Houston, Victoria	0	0	0	0	0	0	0	0
Univ of North Texas	24	0	0	2	0	2	8	12
Univ of North Texas Hlth Sci Ctr at Fort	0	0	0	0	0	0	0	0
Univ of Texas at Arlington	778	2	48	8	11	0	177	532
Univ of Texas at Austin	1,744	6	35	20	32	7	593	1,051
Univ of Texas at Dallas	327	0	67	8	14	1	120	117
Univ of Texas at El Paso	210	0	4	2	73	0	25	106
Univ of Texas at San Antonio	92	0	8	1	18	0	41	24
Univ of Texas at Tyler	9	0	1	1	0	0	7	0
Univ of Texas Houston Hlth Sci Ctr	0	0	0	0	0	0	0	0
Univ of Texas M.D. Anderson Cancer Ctr	0	0	0	0	0	0	0	0
Univ of Texas Med Branch at Galveston	0	0	0	0	0	0	0	0
Univ of Texas SW Medical Ctr at Dallas	18	3	0	1	0	0	5	9
Univ of Texas San Antonio Hlth Sci Ctr	0	0	0	0	0	0	0	0
Univ of Texas of the Permian Basin	0	0	0	0	0	0	0	0
Univ of Texas-Pan American	47	0	0	0	36	0	5	6
University of the Incarnate Word	0	0	0	0	0	0	0	0
West Texas A&M University	28	0	0	0	2	0	18	8
Mountain	7,402	34	446	70	275	523	3,330	2,724
Arizona	1,950	8	82	16	64	44	663	1,073
Arizona State University	1,337	4	54	11	42	44	424	758
Northern Arizona University	10	0	2	0	0	0	8	0
University of Arizona	603	4	26	5	22	0	231	315
Colorado	2,630	9	166	41	83	322	1,359	650
Colorado School of Mines	278	3	9	1	6	3	151	105
Colorado State University	354	0	7	3	6	29	184	125
National Technological University	506	1	76	18	26	66	294	25
University of Colorado	1,458	4	74	19	45	223	715	378
University of Denver	34	1	0	0	0	1	15	17
University of Northern Colorado	0	0	0	0	0	0	0	0
Idaho	377	5	15	1	8	2	246	100
Idaho State University	50	0	0	0	2	0	26	22
University of Idaho	327	5	15	1	6	2	220	78
Montana	161	1	0	0	0	0	120	40
Montana State University-Bozeman	109	1	0	0	0	0	81	27
Montana Tech of the Univ of Montana	52	0	0	0	0	0	39	13
University of Montana, The	0	0	0	0	0	0	0	0
Nevada	291	0	14	3	7	10	129	128
University of Nevada Las Vegas	123	0	8	3	3	0	70	39
University of Nevada, Reno	168	0	6	0	4	10	59	89

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
New Mexico	761	11	16	8	97	88	226	315
Eastern New Mexico University	0	0	0	0	0	0	0	0
New Mexico Highlands University	0	0	0	0	0	0	0	0
New Mexico Institute of Mining and Tech	86	0	0	0	3	0	29	54
New Mexico State University	255	4	6	3	39	77	14	112
University of New Mexico	420	7	10	5	55	11	183	149
Utah	1,121	0	148	1	14	52	522	384
Brigham Young University	246	0	17	0	8	16	194	11
University of Utah	554	0	84	1	3	36	185	245
Utah State University	321	0	47	0	3	0	143	128
Wyoming	111	0	5	0	2	5	65	34
University of Wyoming	111	0	5	0	2	5	65	34
Pacific	15,134	38	2,432	243	517	984	4,703	6,217
Alaska	94	0	3	2	2	3	58	26
University of Alaska Anchorage	39	0	3	2	1	2	31	0
University of Alaska Fairbanks	55	0	0	0	1	1	27	26
University of Alaska Southeast	0	0	0	0	0	0	0	0
California	12,681	20	2,225	225	489	652	3,661	5,409
Azusa Pacific University	0	0	0	0	0	0	0	0
Biola University	0	0	0	0	0	0	0	0
Calif Institute of Integral Studies	0	0	0	0	0	0	0	0
Calif Institute of Technology	382	0	35	2	11	0	145	189
Calif Poly State Univ, San Luis Obispo	103	0	0	0	0	0	54	49
Calif Sch of Prof Psych-Alameda	0	0	0	0	0	0	0	0
Calif Sch of Prof Psych-Fresno	0	0	0	0	0	0	0	0
Calif Sch of Prof Psych-Los Angeles	0	0	0	0	0	0	0	0
Calif Sch of Prof Psych-San Diego	0	0	0	0	0	0	0	0
Calif State Poly Univ, Pomona	196	0	56	1	11	24	53	51
Calif State Univ, Bakersfield	0	0	0	0	0	0	0	0
Calif State Univ, Chico	3	0	1	0	0	1	0	1
Calif State Univ, Dominguez Hills	25	0	4	6	8	2	5	0
Calif State Univ, Fresno	24	0	2	0	1	6	12	3
Calif State Univ, Fullerton	115	0	39	3	9	13	25	26
Calif State Univ, Hayward	0	0	0	0	0	0	0	0
Calif State Univ, Long Beach	336	0	92	16	41	22	91	74
Calif State Univ, Los Angeles	137	0	37	5	32	9	10	44
Calif State Univ, Northridge	232	1	44	3	19	39	86	40
Calif State Univ, Sacramento	205	1	24	6	8	19	63	84
Calif State Univ, San Bernadino	0	0	0	0	0	0	0	0
Calif State Univ, Stanislaus	0	0	0	0	0	0	0	0
Chapman University	0	0	0	0	0	0	0	0
Charles R. Drew Univ of Medicine & Sci	0	0	0	0	0	0	0	0
Claremont Graduate School	0	0	0	0	0	0	0	0
Dominican University of California	0	0	0	0	0	0	0	0
Fielding Institute, The	0	0	0	0	0	0	0	0
Fuller Theological Seminary	0	0	0	0	0	0	0	0
Golden Gate University	0	0	0	0	0	0	0	0
Harvey Mudd College	2	0	0	0	0	0	2	0
Humboldt State University	38	0	0	0	1	6	31	0
John F Kennedy University	0	0	0	0	0	0	0	0
Loma Linda University	0	0	0	0	0	0	0	0
Loyola Marymount University	52	0	11	2	9	9	17	4
National University	239	0	63	16	10	7	81	62
Naval Postgraduate School	320	0	1	2	1	2	141	173
Northrop University	0	0	0	0	0	0	0	0
Occidental College	0	0	0	0	0	0	0	0
Pacific Graduate School of Psychology	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

Region, State, and institution	Total	U.S. citizens and permanent residents: American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	Students with temporary visas
California, continued:								
Pacific States University	0	0	0	0	0	0	0	0
Pepperdine University	0	0	0	0	0	0	0	0
RAND Graduate School of Policy Studies	0	0	0	0	0	0	0	0
San Diego State University	154	0	24	5	16	10	79	20
San Francisco State University	43	0	15	1	2	2	9	14
San Jose State University	888	1	495	20	25	69	121	157
Santa Clara University	363	0	117	4	19	36	96	91
Sonoma State University	0	0	0	0	0	0	0	0
Stanford University	2,482	4	314	55	68	91	768	1,182
US International University	0	0	0	0	0	0	0	0
University of Calif, Berkeley	1,500	3	176	27	56	76	571	591
University of Calif, Davis	631	2	86	11	22	43	281	186
University of Calif, Irvine	331	0	55	2	13	33	60	168
University of Calif, Los Angeles	842	0	187	9	25	47	175	399
University of Calif, Riverside	65	0	2	0	0	2	10	51
University of Calif, San Diego	531	2	98	4	20	23	205	179
University of Calif, San Francisco	43	0	12	3	3	0	24	1
University of Calif, Santa Barbara	447	5	22	1	7	26	164	222
University of Calif, Santa Cruz	88	0	14	1	0	6	17	50
University of La Verne	0	0	0	0	0	0	0	0
University of Redlands	0	0	0	0	0	0	0	0
University of San Diego	0	0	0	0	0	0	0	0
University of San Francisco	0	0	0	0	0	0	0	0
University of Southern California	1,864	1	199	20	52	29	265	1,298
University of the Pacific	0	0	0	0	0	0	0	0
West Coast University	0	0	0	0	0	0	0	0
Wright Institute	0	0	0	0	0	0	0	0
Hawaii	179	1	48	0	1	13	22	94
University of Hawaii at Manoa	179	1	48	0	1	13	22	94
Oregon	796	5	56	5	9	240	289	192
Oregon Grad Inst of Science & Technology	128	0	6	0	0	71	12	39
Oregon Health Sciences University	0	0	0	0	0	0	0	0
Oregon State University	384	0	33	2	2	155	141	51
Pacific University	0	0	0	0	0	0	0	0
Portland State University	276	5	17	3	7	14	133	97
Southern Oregon University	0	0	0	0	0	0	0	0
University of Oregon	0	0	0	0	0	0	0	0
University of Portland	8	0	0	0	0	0	3	5
Washington	1,384	12	100	11	16	76	673	496
Central Washington University	9	1	0	0	0	3	5	0
Eastern Washington University	0	0	0	0	0	0	0	0
Gonzaga University	0	0	0	0	0	0	0	0
Pacific Lutheran University	0	0	0	0	0	0	0	0
Saint Martin's College	48	0	2	0	0	0	44	2
Seattle University	66	2	11	0	0	12	22	19
University of Washington	1,006	7	80	9	14	60	490	346
Walla Walla College	0	0	0	0	0	0	0	0
Washington State University	255	2	7	2	2	1	112	129
Western Washington University	0	0	0	0	0	0	0	0
Whitworth College	0	0	0	0	0	0	0	0
Outlying Areas	279	0	0	0	236	1	1	41
Guam	0	0	0	0	0	0	0	0
University of Guam	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 31. Graduate engineering students in all institutions, by region, State, institution, and citizenship, and by race/ethnicity background of U.S. citizens and permanent residents: 2000

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Region, State, and institution	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Puerto Rico	279	0	0	0	236	1	1	41
Caribbean Center for Advanced Studies	0	0	0	0	0	0	0	0
Ponce School of Medicine	0	0	0	0	0	0	0	0
Pontifical Cath Univ of Puerto Rico, The	0	0	0	0	0	0	0	0
Univ of Puerto Rico Mayaguez Campus	279	0	0	0	236	1	1	41
Univ of Puerto Rico Med Sci Campus	0	0	0	0	0	0	0	0
Univ of Puerto Rico Rio Piedras Campus	0	0	0	0	0	0	0	0

NOTE: Includes medical schools.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 32. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1993-2000

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Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	448,031	448,679	443,058	437,590	430,875	428,156	434,300	435,612
Total, science and engineering fields	389,648	386,413	377,857	371,643	364,578	361,107	365,770	368,595
Sciences, total	280,114	280,110	277,164	274,436	269,145	266,882	269,733	269,460
Physical sciences, total	33,777	32,981	31,969	31,001	29,849	29,457	29,559	29,363
Astronomy	880	973	912	874	778	820	832	888
Chemistry	19,183	18,881	18,635	18,416	17,885	17,663	17,677	17,442
Physics	13,449	12,789	12,113	11,433	10,926	10,619	10,660	10,640
Physical sciences, n.e.c.	265	338	309	278	260	355	390	393
Earth, atmos., & ocean sci., total	14,357	14,577	14,385	13,879	13,152	12,921	12,812	12,719
Atmospheric sciences	1,095	1,090	1,062	1,079	1,081	954	906	956
Geosciences	7,385	7,326	7,180	6,894	6,562	6,293	6,265	6,245
Oceanography	2,473	2,678	2,549	2,462	2,313	2,395	2,458	2,486
Earth, atmos., & ocean sci., n.e.c.	3,404	3,483	3,594	3,444	3,196	3,279	3,183	3,032
Mathematical sciences, total	17,971	17,657	16,651	16,230	15,015	14,582	14,341	13,944
Mathematics & applied mathematics	14,994	14,616	13,610	13,221	12,370	11,976	11,653	11,165
Statistics	2,977	3,041	3,041	3,009	2,645	2,606	2,688	2,779
Computer sciences	30,870	29,632	28,986	29,860	30,882	32,376	35,578	39,686
Agricultural sciences	11,261	11,489	11 613	11,225	11,079	11,033	11,136	10,870
Biological sciences, total	52,383	53,976	54,296	53,893	53,076	52,937	53,156	52,629
Anatomy	961	1,018	982	1,019	1,003	922	886	924
Biochemistry	5,431	5,550	5,505	5,213	5,049	5,095	5,060	4,922
Biology	11,545	11,436	11,261	11,583	11,805	11,399	11,209	10,744
Biometry/epidemiology	2,658	2,710	2,812	3,001	2,900	3,511	3,529	3,471
Biophysics	780	794	845	833	748	737	710	745
Botany	2,705	2,741	2,605	2,501	2,396	2,319	2,252	2,166
Cell biology	3,428	3,814	3,978	3,996	3,937	4,029	4,281	4,449
Ecology	1,251	1,420	1,508	1,497	1,471	1,520	1,559	1,591
Entomology/parasitology	1,247	1,263	1,241	1,234	1,161	1,168	1,145	1,104
Genetics	1,733	1,649	1,651	1,679	1,713	1,660	1,714	1,648
Microbio., immunology, & virology	4,990	5,067	4,999	4,886	4,780	4,751	4,795	4,800
Nutrition	4,045	4,254	4,460	4,381	4,235	4,081	4,143	4,106
Pathology	1,485	1,603	1,575	1,583	1,621	1,514	1,509	1,460
Pharmacology	2,649	2,839	2,710	2,663	2,597	2,711	2,729	2,927
Physiology	2,372	2,378	2,540	2,377	2,298	2,151	2,064	1,985
Zoology	2,037	2,021	2,001	1,848	1,662	1,616	1,554	1,479
Biosciences, n.e.c.	3,066	3,419	3,623	3,599	3,700	3,753	4,017	4,108
Psychology, total	41,039	41,174	40,603	40,299	40,787	40,336	39,629	38,248
Psychology, general	13,437	13,199	12,609	11,861	12,330	12,281	11,683	11,276
Clinical psychology	10,969	10,966	11,007	11,311	11,678	11,390	11,492	11,252
Psychology, n.e.c.	16,633	17,009	16,987	17,127	16,779	16,665	16,454	15,720
Social sciences, total	78,456	78,624	78,661	78,051	75,305	73,240	73,522	72,001
Agricultural economics	2,377	2,251	2,315	2,110	2,038	1,992	2,011	2,076
Anthropology (cultural & social)	7,114	7,414	7,419	7,491	7,238	7,213	7,255	7,273
Economics (except agricultural)	12,487	12,259	12,011	11,434	10,576	10,168	10,020	10,193
Geography	3,790	3,907	3,875	3,872	3,811	3,807	3,784	3,593
History and philosophy of science	369	387	401	409	443	449	503	472
Linguistics	2,947	2,937	2,857	2,848	2,793	2,662	2,570	2,456
Political science	30,009	29,222	28,925	28,008	26,552	25,623	25,831	25,583
Sociology	8,449	8,459	8,503	8,401	8,299	7,892	7,847	7,666
Sociology/anthropology	841	877	840	850	874	850	730	736
Social sciences, n.e.c.	10,073	10,911	11,515	12,628	12,681	12,584	12,971	11,953
Engineering, total	109,534	106,303	100,693	97,205	95,433	94,225	96,037	99,135
Aerospace engineering	3,905	3,653	3,287	3,140	3,029	3,096	3,290	3,337
Agricultural engineering	1,018	1,061	1,037	1,012	941	925	934	899
Biomedical engineering	2,613	2,674	2,662	2,685	2,785	2,850	3,069	3,188
Chemical engineering	7,449	7,548	7,358	7,316	7,189	7,007	6,812	7,030
Civil engineering	18,140	18,528	17,911	17,348	16,168	15,580	15,403	15,769
Electrical engineering	32,753	30,734	28,417	27,509	28,445	28,857	29,194	31,044
Engineering science	2,148	2,069	1,945	1,741	1,636	1,685	1,604	1,601
Industrial/manufacturing eng.	12,815	12,963	12,358	11,672	10,933	10,288	10,971	11,485
Mechanical engineering	17,555	17,011	15,777	14,932	14,471	14,058	14,297	14,797
Metallurgical/materials eng.	5,263	5,108	4,857	4,677	4,611	4,603	4,415	4,318
Mining engineering	411	399	362	351	333	290	320	276
Nuclear engineering	1,306	1,246	1,154	980	868	821	830	792
Petroleum engineering	717	612	594	551	557	567	630	621
Engineering, n.e.c.	3,441	2,697	2,974	3,291	3,467	3,598	4,268	3,978

See explanatory information, if any, and SOURCE at end of table.

Table 32. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1993-2000

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Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, health fields	58,383	62,266	65,201	65,947	66,297	67,049	68,530	67,017
Medical fields, total	13,429	14,256	14,814	14,724	14,605	15,890	16,553	15,846
Anesthesiology	494	516	529	647	616	650	625	633
Cardiology	11	14	19	18	33	36	63	53
Oncology/cancer research	209	208	189	185	198	209	250	237
Endocrinology	63	63	53	46	43	58	67	57
Gastroenterology	1	0	0	0	3	6	7	40
Hematology	3	2	1	3	3	1	5	6
Neurology	1,335	1,472	1,571	1,653	1,717	1,825	1,907	1,992
Obstetrics and gynecology	3	4	6	4	18	13	16	16
Ophthalmology	19	32	30	33	33	38	49	58
Otorhinolaryngology	1	2	0	0	2	0	3	9
Pediatrics	196	261	238	275	342	328	316	403
Preventive medicine/community health	9,651	10,135	10,647	10,321	10,046	11,234	11,683	10,641
Psychiatry	103	144	158	131	135	86	87	136
Pulmonary disease	0	0	0	0	0	0	6	7
Radiology	287	320	268	227	221	191	187	166
Surgery	82	119	174	167	171	122	122	147
Clinical medicine, n.e.c.	971	964	931	1,014	1,024	1,093	1,160	1,245
Other health fields, total	44,954	48,010	50,387	51,223	51,692	51,159	51,977	51,171
Dental sciences	1,228	1,298	1,338	1,388	1,491	1,518	1,467	1,430
Nursing	21,122	23,042	23,978	22,741	22,218	20,678	20,653	19,194
Pharmaceutical sciences	2,839	2,876	2,786	2,818	2,694	2,782	3,296	3,482
Speech pathology/audiology	8,133	8,567	8,804	9,305	9,526	9,552	9,675	9,986
Veterinary sciences	924	922	975	997	1,224	1,288	1,314	1,367
Health related, n.e.c.	10,708	11,305	12,506	13,974	14,539	15,341	15,572	15,712

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 33. Graduate students in science, engineering, and health fields in public doctorate-granting institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	312,319	312,994	308,761	304,186	298,884	295,751	300,418	304,513
Total, science and engineering fields	269,565	267,439	261,774	256,101	250,914	248,057	251,247	255,630
Sciences, total	191,155	191,302	189,437	186,489	182,640	180,656	182,350	182,884
Physical sciences, total	24,425	23,858	23,285	22,495	21,661	21,579	21,529	21,532
Astronomy	579	591	556	525	471	509	511	542
Chemistry	13,838	13,660	13,601	13,400	13,085	13,051	12,955	12,905
Physics	9,743	9,286	8,838	8,298	7,850	7,677	7,681	7,701
Physical sciences, n.e.c.	265	321	290	272	255	342	382	384
Earth, atmos., & ocean sci., total	11,785	11,860	11,958	11,593	11,039	10,820	10,714	10,656
Atmospheric sciences	1,077	1,071	1,037	1,059	1,057	933	889	931
Geosciences	5,984	5,912	5,851	5,634	5,367	5,107	5,106	5,107
Oceanography	1,996	2,119	2,109	2,048	1,922	2,012	2,051	2,083
Earth, atmos., & ocean sci., n.e.c.	2,728	2,758	2,961	2,852	2,693	2,768	2,668	2,535
Mathematical sciences	13,766	13,430	12,564	12,257	11,277	10,842	10,705	10,637
Computer sciences	18,128	17,625	17,620	17,788	18,898	19,706	21,817	24,316
Agricultural sciences	10,777	11,005	11,156	10,790	10,662	10,605	10,718	10,406
Biological sciences, total	38,088	39,157	38,915	38,528	37,723	37,688	37,728	37,339
Anatomy	750	797	770	784	770	691	673	696
Biochemistry	3,670	3,873	3,856	3,693	3,580	3,597	3,561	3,496
Biology	8,097	8,056	7,757	8,049	8,142	7,835	7,812	7,559
Biometry/epidemiology	1,728	1,732	1,724	1,777	1,734	2,165	2,216	2,198
Biophysics	426	415	472	459	419	417	416	443
Botany	2,566	2,621	2,466	2,364	2,253	2,183	2,112	2,075
Cell biology	2,087	2,278	2,381	2,414	2,380	2,535	2,670	2,831
Ecology	1,162	1,314	1,406	1,399	1,381	1,431	1,439	1,465
Entomology/parasitology	1,186	1,193	1,179	1,171	1,101	1,109	1,087	1,055
Genetics	1,147	1,083	1,077	1,119	1,144	1,075	1,099	1,045
Microbio., immunology, & virology	3,530	3,564	3,502	3,395	3,313	3,256	3,215	3,201
Nutrition	3,312	3,474	3,607	3,534	3,410	3,370	3,384	3,212
Pathology	982	1,046	1,023	1,026	1,010	1,008	982	944
Pharmacology	1,871	1,979	1,872	1,797	1,750	1,810	1,820	2,022
Physiology	1,559	1,521	1,548	1,439	1,373	1,341	1,305	1,167
Zoology	1,976	1,951	1,914	1,780	1,598	1,558	1,496	1,442
Biosciences, n.e.c.	2,039	2,260	2,361	2,328	2,365	2,307	2,441	2,488
Psychology	20,759	20,747	20,763	20,015	20,538	20,139	19,357	18,800
Social sciences, total	53,427	53,620	53,176	53,023	50,842	49,277	49,782	49,198
Agricultural economics	2,265	2,136	2,182	2,024	1,968	1,925	1,946	2,016
Anthropology (cultural & social)	5,210	5,395	5,328	5,396	5,172	5,150	5,262	5,289
Economics (except agricultural)	8,147	8,044	7,779	7,396	6,800	6,435	6,459	6,527
Geography	3,464	3,573	3,581	3,554	3,518	3,499	3,459	3,272
Linguistics	2,112	2,077	2,046	1,973	1,953	1,876	1,834	1,761
Political science	18,304	17,560	17,229	16,562	15,518	14,787	15,181	15,059
Sociology	6,241	6,255	6,265	6,228	6,141	5,929	5,740	5,641
Sociology/anthropology	652	694	652	669	709	693	616	610
Social sciences, n.e.c.	7,032	7,886	8,114	9,221	9,063	8,983	9,285	9,023
Engineering, total	78,410	76,137	72,337	69,612	68,274	67,401	68,897	72,746
Aerospace engineering	3,102	2,872	2,549	2,399	2,310	2,295	2,308	2,350
Agricultural engineering	970	1,006	981	959	893	880	888	845
Biomedical engineering	1,601	1,601	1,620	1,671	1,824	1,842	1,991	2,046
Chemical engineering	5,499	5,569	5,409	5,327	5,165	5,049	4,843	5,089
Civil engineering	13,737	13,867	13,535	13,190	12,436	11,918	12,060	12,473
Electrical engineering	21,759	20,768	19,443	18,374	19,075	19,080	19,945	21,989
Engineering science	1,419	1,359	1,287	1,246	1,117	1,063	1,102	986
Industrial/manufacturing eng.	9,178	9,184	8,552	8,053	7,482	7,384	7,681	8,351
Mechanical engineering	13,059	12,648	11,845	11,329	10,889	10,856	10,970	11,553
Metallurgical/materials eng.	3,659	3,604	3,406	3,273	3,226	3,173	3,053	3,110
Nuclear engineering	1,094	1,062	975	826	751	715	716	672
Engineering, n.e.c.	3,333	2,597	2,735	2,965	3,106	3,146	3,340	3,282
Total, health fields	42,754	45,555	46,987	48,085	47,970	47,694	49,171	48,883
Clinical fields	1,510	1,675	1,630	1,751	1,805	1,774	1,908	2,111
Dental sciences	935	1,006	1,000	1,080	1,170	1,204	1,199	1,213
Nursing	16,556	18,359	18,954	18,192	17,782	16,586	16,609	15,616
Pharmaceutical sciences	2,343	2,330	2,255	2,311	2,163	2,115	2,570	2,839
Preventive medicine/community health	6,535	6,627	7,024	6,877	6,599	7,073	7,241	6,831
Speech pathology/audiology	6,502	6,861	6,988	7,470	7,573	7,457	7,778	7,982
Veterinary sciences	849	854	921	945	1,172	1,235	1,267	1,322
Other health fields	7,524	7,843	8,215	9,459	9,706	10,250	10,599	10,969

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 34. Graduate students in science, engineering, and health fields in private doctorate-granting institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	135,712	135,685	134,297	133,404	131,991	132,405	133,882	131,099
Total, science and engineering fields	120,083	118,974	116,083	115,542	113,664	113,050	114,523	112,965
Sciences, total	88,959	88,808	87,727	87,949	86,505	86,226	87,383	86,576
Physical sciences, total	9,352	9,123	8,684	8,506	8,188	7,878	8,030	7,831
Astronomy	301	382	356	349	307	311	321	346
Chemistry	5,345	5,221	5,034	5,016	4,800	4,612	4,722	4,537
Physics	3,706	3,503	3,275	3,135	3,076	2,942	2,979	2,939
Physical sciences, n.e.c.	0	17	19	6	5	13	8	9
Earth, atmos., & ocean sci., total	2,572	2,717	2,427	2,286	2,113	2,101	2,098	2,063
Atmospheric sciences	18	19	25	20	24	21	17	25
Geosciences	1,401	1,414	1,329	1,260	1,195	1,186	1,159	1,138
Oceanography	477	559	440	414	391	383	407	403
Earth, atmos., & ocean sci., n.e.c.	676	725	633	592	503	511	515	497
Mathematical sciences	4,205	4,227	4,087	3,973	3,738	3,740	3,636	3,307
Computer sciences	12,742	12,007	11,366	12,072	11,984	12,670	13,761	15,370
Agricultural sciences	484	484	457	435	417	428	418	464
Biological sciences, total	14,295	14,819	15,381	15,365	15,353	15,249	15,428	15,290
Anatomy	211	221	212	235	233	231	213	228
Biochemistry	1,761	1,677	1,649	1,520	1,469	1,498	1,499	1,426
Biology	3,448	3,380	3,504	3,534	3,663	3,564	3,397	3,185
Biometry/epidemiology	930	978	1,088	1,224	1,166	1,346	[illegible]	1,273
Biophysics	354	379	373	374	329	320	294	302
Botany	139	120	139	137	143	136	140	91
Cell biology	1,341	1,536	1,597	1,582	1,557	1,494	1,611	1,618
Ecology	89	106	102	98	90	89	120	126
Entomology/parasitology	61	70	62	63	60	59	58	49
Genetics	586	566	574	560	569	585	615	603
Microbio., immunology, & virology	1,460	1,503	1,497	1,491	1,467	1,495	1,580	1,599
Nutrition	733	780	853	847	825	711	759	894
Pathology	503	557	552	557	611	506	527	516
Pharmacology	778	860	838	866	847	901	909	905
Physiology	813	857	992	938	925	810	759	818
Zoology	61	70	87	68	64	58	58	37
Biosciences, n.e.c.	1,027	1,159	1,262	1,271	1,335	1,446	1,576	1,620
Psychology	20,280	20,427	19,840	20,284	20,249	20,197	20,272	19,448
Social sciences, total	25,029	25,004	25,485	25,028	24,463	23,963	23,740	22,803
Agricultural economics	112	115	133	86	70	67	65	60
Anthropology (cultural & social)	1,904	2,019	2,091	2,095	2,066	2,063	1,993	1,984
Economics (except agricultural)	4,340	4,215	4,232	4,038	3,776	3,733	3,561	3,666
Geography	326	334	294	318	293	308	325	321
Linguistics	835	860	811	875	840	786	736	695
Political science	11,705	11,662	11,696	11,446	11,034	10,836	10,650	10,524
Sociology	2,208	2,204	2,238	2,173	2,158	1,963	2,107	2,025
Sociology/anthropology	189	183	138	181	165	157	114	126
Social sciences, n.e.c.	3,410	3,412	3,802	3,816	4,061	4,050	4,189	3,402
Engineering, total	31,124	30,166	28,356	27,593	27,159	26,824	27,140	26,389
Aerospace engineering	803	781	738	741	719	801	982	987
Agricultural engineering	48	55	56	53	48	45	46	54
Biomedical engineering	1,012	1,073	1,042	1,014	961	1,008	1,078	1,142
Chemical engineering	1,950	1,979	1,949	1,989	2,024	1,958	1,969	1,941
Civil engineering	4,403	4,661	4,376	4,158	3,732	3,662	3,343	3,296
Electrical engineering	10,994	9,966	8,974	9,135	9,370	9,777	9,249	9,055
Engineering science	729	710	658	495	519	622	502	615
Industrial/manufacturing eng.	3,637	3,779	3,806	3,619	3,451	2,904	3,290	3,134
Mechanical engineering	4,496	4,363	3,932	3,603	3,582	3,202	3,327	3,244
Metallurgical/materials eng	1,604	1,504	1,451	1,404	1,385	1,430	1,362	1,208
Nuclear engineering	212	184	179	154	117	106	114	120
Engineering, n.e.c.	1,236	1,111	1,195	1,228	1,251	1,309	1,878	1,593
Total, health fields	15,629	16,711	18,214	17,862	18,327	19,355	19,359	18,134
Clinical fields	933	974	966	999	1,037	1,057	1,055	1,102
Dental sciences	293	292	338	308	321	314	268	217
Nursing	4,566	4,683	5,024	4,549	4,436	4,092	4,044	3,578
Pharmaceutical sciences	496	546	531	507	531	667	726	643
Preventive medicine/community health	3,116	3,508	3,623	3,444	3,447	4,161	4,442	3,810
Speech pathology/audiology	1,631	1,706	1,816	1,835	1,953	2,095	1,897	2,004
Veterinary sciences	75	68	54	52	52	53	47	45
Other health fields	4,519	4,934	5,862	6,168	6,550	6,916	6,880	6,735

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 35. Graduate students in science and engineering fields in doctorate-granting institutions, by enrollment status, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1993-2000

Enrollment status, citizenship, and race/ethnicity	1993	1994	1995	1996	1997	1998	1999	2000
Total enrollment	389,648	386,413	377,857	371,643	364,578	361,107	365,770	368,595
Total U.S. citizens and permanent residents	288,075	287,993	282,867	277,302	269,557	263,329	260,703	252,567
American Indian/Alaskan Native	1,104	1,202	1,285	1,326	1,378	1,372	1,300	1,349
Asian/Pacific Islander	20,811	23,217	22,580	22,749	22,757	22,804	23,251	22,397
Black, non-Hispanic	13,583	14,129	14,710	15,176	15,215	15,346	15,631	15,855
Hispanic	11,528	11,497	12,104	12,476	12,874	13,127	13,889	14,221
Other or unknown	14,057	11,780	14,346	13,923	14,680	14,650	14,409	16,158
White, non-Hispanic	226,992	226,168	217,842	211,652	202,653	196,030	192,223	182,587
Students with temporary visas	101,573	98,420	94,990	94,341	95,021	97,778	105,067	116,028
Full-time enrollment	277,955	276,977	271,042	268,011	264,289	261,957	266,457	273,096
Total U.S. citizens and permanent residents	190,652	192,752	189,806	186,734	181,830	177,441	175,489	171,729
American Indian/Alaskan Native	814	870	959	981	1,003	985	913	978
Asian/Pacific Islander	14,286	16,150	15,718	15,748	15,848	16,061	16,414	15,399
Black, non-Hispanic	8,684	9,192	9,415	9,557	9,751	9,675	9,514	9,970
Hispanic	7,571	7,568	8,356	8,492	8,750	8,998	9,370	9,668
Other or unknown	7,910	6,481	7,994	7,824	8,313	8,245	8,038	9,639
White, non-Hispanic	151,385	152,491	147,364	144,132	138,165	133,477	131,240	126,075
Students with temporary visas	87,303	84,225	81,236	81,277	82,459	84,516	90,968	101,367
Part-time enrollment	111,693	109,436	106,815	103,632	100,289	99,150	99,313	95,499
Total U.S. citizens and permanent residents	97,423	95,241	93,061	90,568	87,727	85,888	85,214	80,838
American Indian/Alaskan Native	290	332	326	345	375	387	387	371
Asian/Pacific Islander	6,523	7,067	6,862	7,001	6,909	6,743	6,837	6,998
Black, non-Hispanic	4,899	4,937	5,295	5,619	5,464	5,671	6,117	5,885
Hispanic	3,957	3,929	3,748	3,984	4,124	4,1[illegible]9	4,519	4,553
Other or unknown	6,147	5,299	6,352	6,099	6,367	6,405	6,371	6,519
White, non-Hispanic	75,607	73,677	70,478	67,520	64,488	62,553	60,983	56,512
Students with temporary visas	14,270	14,195	13,754	13,064	12,562	13,262	14,099	14,661

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 36. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all surveyed fields	435,612	1,695	27,022	20,080	17,826	18,871	228,726	121,392
Total, science and engineering fields	368,595	1,349	22,397	15,855	14,221	16,158	182,587	116,028
Sciences, total	269,460	1,163	15,334	13,030	11,472	12,301	145,688	70,472
Physical sciences, total	29,363	70	1,491	788	796	968	13,856	11,394
Astronomy	888	1	33	9	17	34	523	271
Chemistry	17,442	57	1,050	554	574	432	8,745	6,030
Physics	10,640	11	394	214	194	386	4,424	5,017
Physical sciences, n.e.c.	393	1	14	11	11	116	164	76
Earth, atmos., & ocean sci., total	12,719	53	311	203	344	361	8,825	2,622
Atmospheric sciences	956	3	41	18	12	27	554	301
Geosciences	6,245	24	124	53	156	194	4,403	1,291
Oceanography	2,486	9	60	28	108	39	1,722	520
Earth, atmos., & ocean sci., n.e.c.	3,032	17	86	104	68	101	2,146	510
Mathematical sciences	13,944	22	715	416	365	521	6,202	5,703
Computer sciences	39,686	60	4,282	1,208	642	2,093	12,204	19,197
Agricultural sciences	10,870	47	221	221	388	353	7,325	2,315
Biological sciences, total	52,629	168	3,957	1,996	1,944	2,072	30,935	11,557
Anatomy	924	4	85	35	26	15	549	210
Biochemistry	4,922	8	408	143	142	124	2,505	1,592
Biology	10,744	41	557	566	512	496	6,704	1,868
Biometry/epidemiology	3,471	11	410	159	165	162	1,778	786
Biophysics	745	1	99	16	13	40	372	204
Botany	2,166	3	76	42	39	70	1,309	627
Cell biology	4,449	11	477	121	148	237	2,483	972
Ecology	1,591	5	40	17	45	64	1,238	182
Entomology/parasitology	1,104	1	24	14	31	21	733	280
Genetics	1,648	5	104	55	54	113	944	373
Microbio., immunology, & virology	4,800	21	412	190	195	252	2,791	939
Nutrition	4,106	12	184	198	136	115	2,377	1,084
Pathology	1,460	6	144	40	51	60	856	303
Pharmacology	2,927	8	287	122	112	45	1,730	623
Physiology	1,985	3	263	102	65	67	1,039	446
Zoology	1,479	7	28	13	28	51	1,158	194
Biosciences, n.e.c.	4,108	21	359	163	182	140	2,369	874
Psychology	38,248	274	1,760	2,690	3,121	2,005	28,344	2,054
Social sciences, total	72,001	469	2,597	5,508	3,872	3,928	39,997	15,630
Agricultural economics	2,076	7	30	80	39	43	864	1,013
Anthropology (cultural & social)	7,273	99	246	269	332	423	5,099	805
Economics (except agricultural)	10,193	18	433	283	216	418	3,273	5,552
Geography	3,593	17	64	74	80	162	2,596	600
Linguistics	2,456	11	86	39	125	141	1,142	912
Political science	25,583	144	984	2,717	1,721	1,407	14,636	3,974
Sociology	7,666	56	316	700	495	355	4,543	1,201
Sociology/anthropology	736	7	15	105	27	42	463	77
Social sciences, n.e.c.	12,425	110	423	1,241	837	937	7,381	1,496
Engineering, total	99,135	186	7,063	2,825	2,749	3,857	36,899	45,556
Aerospace engineering	3,337	8	201	55	72	89	1,426	1,486
Agricultural engineering	899	3	38	23	22	27	400	386
Biomedical engineering	3,188	5	358	113	91	78	1,592	951
Chemical engineering	7,030	20	536	168	177	224	2,624	3,281
Civil engineering	15,769	36	716	423	739	463	7,432	5,960
Electrical engineering	31,044	34	2,838	760	620	1,408	8,216	17,168
Engineering science	1,601	8	102	33	33	97	654	674
Industrial/manufacturing eng.	11,485	27	700	558	411	568	4,850	4,371
Mechanical engineering	14,797	26	1,052	378	342	495	5,770	6,734
Metallurgical/materials eng.	4,318	5	232	90	78	80	1,725	2,108
Nuclear engineering	792	1	24	17	30	3	382	335
Engineering, n.e.c.	4,875	13	266	207	134	325	1,828	2,102

See explanatory information, if any, and SOURCE at end of table

Table 36. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, health fields	67,017	346	4,625	4,225	3,605	2,713	46,139	5,384
Clinical fields	3,213	16	380	154	170	206	1,983	304
Dental sciences	1,430	2	134	38	83	27	786	360
Nursing	19,194	135	764	1,190	839	687	15,056	523
Pharmaceutical sciences	3,482	18	441	160	199	58	1,257	1,349
Preventive medicine/community health	10,641	57	1,212	1,199	928	523	5,677	1,045
Speech pathology/audiology	9,986	40	254	446	462	427	8,007	350
Veterinary sciences	1,367	7	40	59	43	13	859	346
Other health fields	17,704	71	1,400	979	881	772	12,514	1,087

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 37. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	309,940	311,583	308,052	306,851	304,696	303,777	310,174	316,531
Total, science and engineering fields	277,955	276,977	271,042	268,011	264,289	261,957	266,457	273,096
Sciences, total	205,903	207,114	204,853	203,605	199,988	198,087	199,986	202,127
Physical sciences, total	30,044	29,492	28,313	27,404	26,351	25,943	26,183	26,104
Astronomy	848	953	871	854	768	787	808	823
Chemistry	16,849	16,765	16,370	16,116	15,616	15,446	15,634	15,380
Physics	12,204	11,573	10,875	10,258	9,809	9,558	9,561	9,706
Physical sciences, n.e.c.	143	201	197	176	158	152	180	195
Earth, atmos., & ocean sci., total	10,878	10,951	10,782	10,311	9,987	9,992	10,049	10,114
Atmospheric sciences	978	981	956	977	964	854	791	842
Geosciences	5,808	5,778	5,609	5,396	5,224	5,046	5,093	5,129
Oceanography	2,130	2,263	2,183	2,038	1,924	2,005	2,074	2,117
Earth, atmos., & ocean sci., n.e.c.	1,962	1,929	2,034	1,900	1,875	2,087	2,091	2,026
Mathematical sciences	13,906	13,563	12,809	12,405	11,619	11,150	11,200	11,173
Computer sciences	16,079	15,641	15,470	15,908	16,809	18,129	20,267	23,282
Agricultural sciences	9,074	9,110	9,176	8,883	8,682	8,545	8,648	8,644
Biological sciences, total	44,689	46,271	46,501	45,908	45,127	45,174	45,287	45,363
Anatomy	913	922	904	950	942	868	844	884
Biochemistry	5,114	5,184	5,174	4,955	4,782	4,846	4,778	4,696
Biology	8,787	8,862	8,691	8,687	8,955	8,712	8,591	8,498
Biometry/epidemiology	1,990	2,056	2,093	2,162	2,005	2,583	2,581	2,541
Biophysics	755	770	800	807	728	707	681	717
Botany	2,351	2,345	2,146	2,128	2,049	1,989	1,949	1,888
Cell biology	3,250	3,653	3,796	3,795	3,779	3,855	4,072	4,213
Ecology	1,040	1,187	1,276	1,239	1,156	1,179	1,220	1,210
Entomology/parasitology	1,039	1,066	1,041	1,027	995	1,000	971	979
Genetics	1,640	1,553	1,572	1,605	1,620	1,579	1,620	1,590
Microbio., immunology, & virology	4,559	4,653	4,627	4,484	4,365	4,370	4,471	4,498
Nutrition	2,918	3,078	3,280	3,302	3,137	2,984	2,985	2,983
Pathology	1,264	1,359	1,350	1,339	1,418	1,327	1,351	1,288
Pharmacology	2,505	2,681	2,539	2,510	2,461	2,550	2,551	2,591
Physiology	2,220	2,221	2,376	2,217	2,102	1,990	1,876	1,851
Zoology	1,665	1,648	1,679	1,566	1,452	1,364	1,322	1,270
Biosciences, n.e.c.	2,679	3,033	3,157	3,135	3,181	3,271	3,424	3,666
Psychology	28,779	29,050	28,977	29,301	29,485	29,015	28,726	28,562
Social sciences, total	52,454	53,036	52,825	53,485	51,928	50,139	49,626	48,885
Agricultural economics	1,945	1,914	1,962	1,781	1,718	1,670	1,685	1,777
Anthropology (cultural & social)	5,332	5,718	5,662	5,866	5,626	5,549	5,611	5,456
Economics (except agricultural)	9,803	9,675	9,429	9,262	8,566	8,312	8,123	8,330
Geography	2,779	2,861	2,765	2,781	2,751	2,693	2,607	2,480
Linguistics	2,447	2,420	2,382	2,433	2,332	2,196	2,107	2,037
Political science	17,001	16,544	16,132	16,177	15,549	14,920	14,811	14,665
Sociology	6,200	6,319	6,308	6,219	6,224	5,962	5,881	5,798
Sociology/anthropology	613	644	617	590	631	608	514	521
Social sciences, n.e.c.	6,334	6,941	7,568	8,376	8,531	8,229	8,287	7,821
Engineering, total	72,052	69,863	66,189	64,406	64,301	63,870	66,471	70,969
Aerospace engineering	3,227	2,967	2,668	2,545	2,505	2,544	2,623	2,740
Agricultural engineering	835	879	859	799	748	756	767	706
Biomedical engineering	2,234	2,246	2,277	2,281	2,411	2,475	2,708	2,841
Chemical engineering	6,055	6,100	5,953	5,909	5,773	5,597	5,571	5,843
Civil engineering	12,041	12,220	11,829	11,420	11,083	10,807	10,927	11,536
Electrical engineering	19,808	18,839	17,684	17,474	18,366	18,865	19,627	22,059
Engineering science	1,395	1,343	1,241	1,054	1,016	1,111	1,027	1,086
Industrial/manufacturing eng.	5,757	5,779	5,191	5,026	4,976	4,746	5,361	5,967
Mechanical engineering	12,223	11,745	11,036	10,567	10,306	9,953	10,220	10,776
Metallurgical/materials eng.	4,271	4,119	3,896	3,718	3,679	3,711	3,545	3,588
Nuclear engineering	1,070	997	883	771	708	662	641	660
Engineering, n.e.c.	3,136	2,629	2,672	2,842	2,730	2,643	3,454	3,167
Total, health fields	31,985	34,606	37,010	38,840	40,407	41,820	43,717	43,435
Clinical fields	2,048	2,190	2,171	2,234	2,410	2,374	2,537	2,702
Dental sciences	1,058	1,078	1,150	1,178	1,290	1,284	1,226	1,301
Nursing	6,135	6,935	7,380	7,395	7,700	7,485	8,106	7,646
Pharmaceutical sciences	2,119	2,175	2,138	2,214	2,219	2,197	2,521	2,680
Preventive medicine/community health	5,254	5,350	5,880	5,730	5,701	6,496	6,849	6,191
Speech pathology/audiology	6,329	6,722	6,748	7,183	7,422	7,532	7,744	7,834
Veterinary sciences	734	741	772	783	1,028	1,048	1,052	1,154
Other health fields	8,308	9,415	10,771	12,123	12,637	13,404	13,682	13,927

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 38. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields:								
Total, all sources	309,940	311,583	308,052	306,851	304,696	303,777	310,174	316,531
Federal, total	66,681	67,283	66,230	64,326	63,557	62,827	64,775	66,569
Dept. of Defense	9,675	9,360	9,238	8,678	8,927	8,203	7,965	8,084
Dept. of Energy[1]	na	na	na	na	na	na	2,741	2,988
Dept. of HHS, total	21,740	22,275	22,377	21,998	22,039	22,323	23,036	23,109
NIH	17,994	18,146	17,990	17,848	17,923	18,086	18,883	19,408
Other HHS	3,746	4,129	4,387	4,150	4,116	4,237	4,153	3,701
NASA[2]	na	na	na	2,252	2,547	2,598	2,502	2,731
NSF	13,428	13,790	13,581	13,371	13,320	13,405	13,793	14,551
USDA	3,311	3,398	3,238	2,983	2,637	2,469	2,615	2,618
All other Federal	18,527	18,460	17,796	15,044	14,087	13,829	12,123	12,488
Institutional support	124,402	124,651	124,678	123,297	123,861	123,664	127,684	127,443
Other non-Federal support, total	26,457	26,970	25,573	25,055	24,723	25,992	25,630	27,378
All other U.S.	21,023	21,298	20,083	19,856	19,897	21,752	21,728	23,559
Foreign	5,434	5,672	5,490	5,199	4,826	4,240	3,902	3,819
Self-support	92,400	92,679	91,571	94,173	92,555	91,294	92,085	95,141
Total, science and engineering:								
Total, all sources	277,955	276,977	271,042	268,011	264,289	261,957	266,457	273,096
Federal, total	59,690	59,991	58,790	57,309	56,301	55,284	56,741	58,679
Dept. of Defense	9,254	8,995	8,912	8,367	8,619	7,913	7,616	7,685
Dept. of Energy[1]	na	na	na	na	na	na	2,711	2,973
Dept. of HHS, total	16,713	17,048	17,028	16,815	16,705	16,632	17,126	17,595
NIH	15,762	15,856	15,604	15,409	15,261	15,228	15,899	16,251
Other HHS	951	1,192	1,424	1,406	1,444	1,404	1,227	1,344
NASA[2]	na	na	na	2,238	2,526	2,572	2,487	2,713
NSF	13,343	13,682	13,490	13,290	13,225	13,285	13,670	14,428
USDA	3,230	3,322	3,181	2,933	2,594	2,410	2,554	2,556
All other Federal	17,150	16,944	16,179	13,666	12,632	12,472	10,577	10,729
Institutional support	116,827	116,722	116,293	114,833	114,956	114,489	117,779	117,569
Other non-Federal support, total	24,729	25,127	23,624	23,068	22,823	23,900	23,500	24,974
All other U.S.	19,742	19,913	18,658	18,297	18,483	20,091	20,017	21,510
Foreign	4,987	5,214	4,966	4,771	4,340	3,809	3,483	3,464
Self-support	76,709	75,137	72,335	72,801	70,209	68,284	68,437	71,874
Sciences, total:								
Total, all sources	205,903	207,114	204,853	203,605	199,988	198,087	199,986	202,127
Federal, total	42,892	43,348	42,496	41,562	40,465	39,823	40,902	42,017
Dept. of Defense	4,145	4,324	4,132	3,861	3,870	3,607	3,283	3,223
Dept. of Energy[1]	na	na	na	na	na	na	1,725	1,766
Dept. of HHS, total	15,793	16,145	16,110	15,980	15,790	15,732	16,165	16,462
NIH	14,972	15,077	14,836	14,678	14,495	14,474	15,055	15,254
Other HHS	821	1,068	1,274	1,302	1,295	1,258	1,110	1,208
NASA[2]	na	na	na	1,159	1,272	1,345	1,371	1,449
NSF	8,824	9,062	8,927	8,712	8,623	8,587	8,735	9,225
USDA	2,914	2,958	2,832	2,631	2,362	2,213	2,314	2,339
All other Federal	11,216	10,859	10,495	9,219	8,548	8,339	7,309	7,553
Institutional support	92,240	92,499	92,806	91,764	91,512	91,410	92,854	91,838
Other non-Federal support, total	15,040	15,776	14,565	14,238	13,877	14,169	14,023	14,502
All other U.S.	11,679	12,163	11,234	10,996	10,971	11,566	11,653	12,121
Foreign	3,361	3,613	3,331	3,242	2,906	2,603	2,370	2,381
Self-support	55,731	55,491	54,986	56,041	54,134	52,685	52,207	53,770
Physical sciences:								
Total, all sources	30,044	29,492	28,313	27,404	26,351	25,943	26,183	26,104
Federal, total	11,042	10,950	10,263	9,800	9,382	9,080	9,168	9,180
Dept. of Defense	1,186	1,314	1,195	1,069	1,035	993	880	864
Dept. of Energy[1]	na	na	na	na	na	na	1,178	1,168
Dept. of HHS, total	2,139	2,182	2,045	2,038	1,931	1,871	1,825	1,954
NIH	2,030	2,053	1,878	1,772	1,627	1,626	1,650	1,761
Other HHS	109	129	167	266	304	245	175	193
NASA[2]	na	na	na	523	570	581	540	516
NSF	3,609	3,694	3,582	3,376	3,368	3,314	3,274	3,283
USDA	60	42	38	43	31	40	31	51
All other Federal	4,048	3,718	3,403	2,751	2,447	2,281	1,440	1,344
Institutional support	14,895	14,545	14,519	14,052	13,849	13,823	13,899	13,578
Other non-Federal support, total	2,229	2,308	2,074	2,072	1,847	1,844	1,913	1,931
All other U.S.	1,950	2,001	1,787	1,793	1,633	1,655	1,741	1,763
Foreign	279	307	287	279	214	189	172	168
Self-support	1,878	1,689	1,457	1,480	1,273	1,196	1,203	1,415

See explanatory information, if any, and SOURCE at end of table.

Table 38. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1993-2000

Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Earth, atmos., & ocean sciences:								
Total, all sources	10,878	10,951	10,782	10,311	9,987	9,992	10,049	10,114
Federal, total	3,623	3,577	3,441	3,253	3,082	2,933	2,937	2,945
Dept. of Defense	513	493	408	389	384	336	335	278
Dept. of Energy[1]	na	na	na	na	na	na	123	144
Dept. of HHS, total	48	37	33	49	40	38	37	57
NIH	41	36	30	30	27	21	17	40
Other HHS	7	1	3	19	13	17	20	17
NASA[2]	na	na	na	326	350	388	405	453
NSF	1,352	1,393	1,375	1,238	1,198	1,115	1,123	1,129
USDA	64	61	64	74	51	74	53	48
All other Federal	1,646	1,593	1,561	1,177	1,079	982	861	836
Institutional support	4,133	4,131	4,212	4,036	4,129	4,217	4,517	4,423
Other non-Federal support, total	925	1,015	958	906	874	843	838	874
All other U.S.	733	782	724	690	690	679	678	729
Foreign	192	233	234	216	184	164	160	145
Self-support	2,197	2,228	2,171	2,116	1,902	1,999	1,757	1,872
Mathematical sciences:								
Total, all sources	13,906	13,563	12,809	12,405	11,619	11,150	11,200	11,173
Federal, total	1,438	1,375	1,267	1,233	1,150	1,038	1,100	1,354
Dept. of Defense	399	372	322	351	363	283	227	239
Dept. of Energy[1]	na	na	na	na	na	na	44	40
Dept. of HHS, total	80	76	87	82	96	100	105	92
NIH	74	68	63	61	66	68	78	76
Other HHS	6	8	24	21	30	32	27	16
NASA[2]	na	na	na	21	19	11	14	23
NSF	464	511	465	435	385	384	441	633
USDA	27	16	13	9	16	7	7	7
All other Federal	468	400	380	335	271	253	282	320
Institutional support	9,069	9,107	8,813	8,543	8,206	8,010	7,994	7,912
Other non-Federal support, total	510	537	479	553	479	438	422	429
All other U.S.	289	319	292	346	302	299	297	300
Foreign	221	218	187	207	177	139	125	129
Self-support	2,889	2,544	2,250	2,076	1,784	1,664	1,684	1,478
Computer sciences:								
Total, all sources	16,079	15,641	15,470	15,908	16,809	18,129	20,267	23,282
Federal, total	2,891	3,034	3,147	3,091	3,139	3,270	3,313	3,595
Dept. of Defense	1,314	1,329	1,418	1,342	1,425	1,299	1,201	1,203
Dept. of Energy[1]	na	na	na	na	na	na	109	111
Dept. of HHS, total	103	97	110	113	106	110	107	120
NIH	95	89	92	80	78	75	64	82
Other HHS	8	8	18	33	28	35	43	38
NASA[2]	na	na	na	119	120	122	110	142
NSF	1,006	1,046	1,054	1,051	1,081	1,164	1,299	1,476
USDA	7	9	13	13	12	10	17	16
All other Federal	461	553	552	453	395	565	470	527
Institutional support	5,242	5,161	5,218	5,346	5,577	5,833	6,582	7,141
Other non-Federal support, total	1,371	1,375	1,277	1,141	1,172	1,270	1,476	1,804
All other U.S.	1,119	1,097	1,052	901	1,015	1,105	1,342	1,540
Foreign	252	278	225	240	157	165	134	264
Self-support	6,575	6,071	5,828	6,330	6,921	7,756	8,896	10,742
Agricultural sciences:								
Total, all sources	9,074	9,110	9,176	8,883	8,682	8,545	8,648	8,644
Federal, total	1,941	1,895	2,030	1,935	1,751	1,639	1,864	1,884
Dept. of Defense	37	35	32	38	38	47	28	42
Dept. of Energy[1]	na	na	na	na	na	na	40	45
Dept. of HHS, total	34	48	23	31	30	30	28	57
NIH	32	45	17	17	21	15	17	37
Other HHS	2	3	6	14	9	15	11	20
NASA[2]	na	na	na	28	28	36	55	65
NSF	76	87	92	97	102	91	107	103
USDA	1,131	1,089	1,182	1,039	934	933	1,037	1,006
All other Federal	663	636	701	702	619	502	569	566
Institutional support	3,503	3,686	3,728	3,538	3,520	3,603	3,624	3,579
Other non-Federal support, total	1,682	1,678	1,491	1,470	1,580	1,591	1,567	1,663
All other U.S.	1,198	1,166	1,090	1,118	1,241	1,295	1,313	1,430
Foreign	484	512	401	352	339	296	254	233
Self-support	1,948	1,851	1,927	1,940	1,831	1,712	1,593	1,518

See explanatory information, if any, and SOURCE at end of table.

Table 38. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Biological sciences:								
Total, all sources	44,689	46,271	46,501	45,908	45,127	45,174	45,287	45,363
Federal, total	16,060	16,593	16,521	16,449	16,210	16,077	16,364	16,607
Dept. of Defense	269	347	356	355	359	343	327	317
Dept. of Energy[1]	na	na	na	na	na	na	153	171
Dept. of HHS, total	11,562	11,936	12,019	11,829	11,810	11,856	12,187	12,224
NIH	11,245	11,421	11,347	11,240	11,226	11,241	11,702	11,655
Other HHS	317	−515	672	589	584	615	485	569
NASA[2]	na	na	na	85	108	102	97	97
NSF	1,364	1,369	1,403	1,484	1,525	1,535	1,498	1,606
USDA	1,217	1,281	1,078	1,070	922	794	831	808
All other Federal	1,648	1,660	1,665	1,626	1,486	1,447	1,271	1,384
Institutional support	19,255	19,921	20,022	19,575	19,459	19,443	19,635	19,499
Other non-Federal support, total	3,827	4,110	3,859	3,706	3,522	3,706	3,305	3,401
All other U.S.	3,255	3,480	3,257	3,149	3,004	3,178	2,844	2,975
Foreign	572	630	602	557	518	528	461	426
Self-support	5,547	5,647	6,099	6,178	5,936	5,948	5,983	5,856
Psychology:								
Total, all sources	28,779	29,050	28,977	29,301	29,485	29,015	28,726	28,562
Federal, total	2,571	2,539	2,467	2,661	2,646	2,831	3,118	3,163
Dept. of Defense	163	172	174	136	110	121	116	133
Dept. of Energy[1]	na	na	na	na	na	na	41	25
Dept. of HHS, total	1,412	1,347	1,320	1,512	1,447	1,423	1,534	1,582
NIH	1,153	1,080	1,089	1,213	1,188	1,212	1,263	1,312
Other HHS	259	267	231	299	259	211	271	270
NASA[2]	na	na	na	7	12	14	15	17
NSF	308	287	286	287	277	275	301	273
USDA	15	27	16	5	7	8	13	16
All other Federal	673	706	671	714	793	990	1,098	1,117
Institutional support	12,103	11,906	11,827	11,913	12,271	11,916	11,902	11,147
Other non-Federal support, total	1,045	1,142	1,072	959	1,188	1,306	1,375	1,305
All other U.S.	998	1,069	1,029	920	1,131	1,254	1,320	1,256
Foreign	47	73	43	39	57	52	55	49
Self-support	13,060	13,463	13,611	13,768	13,380	12,962	12,331	12,947
Social sciences:								
Total, all sources	52,454	53,036	52,825	53,485	51,928	50,139	49,626	48,885
Federal, total	3,326	3,385	3,360	3,140	3,105	2,955	3,038	3,289
Dept. of Defense	264	262	227	181	176	185	169	147
Dept. of Energy[1]	na	na	na	na	na	na	37	62
Dept. of HHS, total	415	422	473	326	330	304	342	376
NIH	302	285	320	265	262	216	264	291
Other HHS	113	137	153	61	68	88	78	85
NASA[2]	na	na	na	50	65	91	135	136
NSF	645	675	670	744	687	709	692	722
USDA	393	433	428	378	389	347	325	387
All other Federal	1,609	1,593	1,562	1,461	1,458	1,319	1,338	1,459
Institutional support	24,040	24,042	24,467	24,761	24,501	24,565	24,701	24,559
Other non-Federal support, total	3,451	3,611	3,355	3,431	3,215	3,171	3,127	3,095
All other U.S.	2,137	2,249	2,003	2,079	1,955	2,101	2,118	2,128
Foreign	1,314	1,362	1,352	1,352	1,260	1,070	1,009	967
Self-support	21,637	21,998	21,643	22,153	21,107	19,448	18,760	17,942
Engineering, total:								
Total, all sources	72,052	69,863	66,189	64,406	64,301	63,870	66,471	70,969
Federal, total	16,798	16,643	16,294	15,747	15,836	15,461	15,839	16,662
Dept. of Defense	5,109	4,671	4,780	4,506	4,749	4,306	4,333	4,462
Dept. of Energy[1]	na	na	na	na	na	na	986	1,207
Dept. of HHS, total	920	903	918	835	915	900	961	1,133
NIH	790	779	768	731	766	754	844	997
Other HHS	130	124	150	104	149	146	117	136
NASA[2]	na	na	na	1,079	1,254	1,227	1,116	1,264
NSF	4,519	4,620	4,563	4,578	4,602	4,698	4,935	5,203
USDA	316	364	349	302	232	197	240	217
All other Federal	5,934	6,085	5,684	4,447	4,084	4,133	3,268	3,176
Institutional support	24,587	24,223	23,487	23,069	23,444	23,079	24,925	25,731
Other non-Federal support, total	9,689	9,351	9,059	8,830	8,946	9,731	9,477	10,472
All other U.S.	8,063	7,750	7,424	7,301	7,512	8,525	8,364	9,389
Foreign	1,626	1,601	1,635	1,529	1,434	1,206	1,113	1,083
Self-support	20,978	19,646	17,349	16,760	16,075	15,599	16,230	18,104

See explanatory information, if any, and SOURCE at end of table.

Table 38. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Chemical engineering:								
Total, all sources	6,055	6,100	5,953	5,909	5,773	5,597	5,571	5,843
Federal, total	1,758	1,735	1,765	1,800	1,670	1,699	1,666	1,672
Dept. of Defense	138	128	164	169	170	160	161	113
Dept. of Energy[1]	na	na	na	na	na	na	220	242
Dept. of HHS, total	141	173	163	162	137	141	149	155
NIH	119	143	136	148	121	111	127	128
Other HHS	22	30	27	14	16	30	22	27
NASA[2]	na	na	na	91	80	97	101	102
NSF	728	749	759	777	707	755	742	770
USDA	62	73	74	45	43	39	37	35
All other Federal	689	612	605	556	533	507	256	255
Institutional support	2,340	2,404	2,262	2,151	2,204	2,106	2,282	2,290
Other non-Federal support, total	1,072	1,148	1,079	1,116	1,129	947	970	1,086
All other U.S.	967	1,040	941	957	949	834	896	982
Foreign	105	108	138	159	180	113	74	104
Self-support	885	813	847	842	770	845	653	795
Civil engineering:								
Total, all sources	12,041	12,220	11,829	11,420	11,083	10,807	10,927	11,536
Federal, total	1,963	2,038	1,940	1,858	1,796	1,658	1,655	1,924
Dept. of Defense	322	315	273	205	224	187	150	157
Dept. of Energy[1]	na	na	na	na	na	na	50	84
Dept. of HHS, total	38	45	41	39	47	46	44	51
NIH	30	37	31	33	41	35	39	40
Other HHS	8	8	10	6	6	11	5	11
NASA[2]	na	na	na	117	121	60	56	74
NSF	513	553	530	534	529	541	538	595
USDA	63	65	53	70	40	28	35	36
All other Federal	1,027	1,060	1,043	893	835	796	782	927
Institutional support	4,510	4,676	4,789	4,682	4,674	4,550	4,827	4,908
Other non-Federal support, total	1,244	1,221	1,150	1,149	1,105	1,124	1,112	1,353
All other U.S.	971	940	871	906	850	910	924	1,189
Foreign	273	281	279	243	255	214	188	164
Self-support	4,324	4,285	3,950	3,731	3,508	3,475	3,333	3,351
Electrical engineering:								
Total, all sources	19,808	18,839	17,684	17,474	18,366	18,865	19,627	22,059
Federal, total	4,062	3,990	4,039	3,969	4,387	4,307	4,592	5,018
Dept. of Defense	1,743	1,649	1,706	1,651	1,938	1,803	1,845	2,066
Dept. of Energy[1]	na	na	na	na	na	na	71	93
Dept. of HHS, total	103	100	113	93	117	102	102	181
NIH	86	83	84	71	70	79	85	139
Other HHS	17	17	29	22	47	23	17	42
NASA[2]	na	na	na	168	229	243	266	282
NSF	1,264	1,270	1,314	1,308	1,342	1,298	1,472	1,581
USDA	11	24	34	13	15	12	10	12
All other Federal	941	947	872	736	746	849	826	803
Institutional support	6,604	6,311	6,139	6,290	6,605	6,448	6,982	7,170
Other non-Federal support, total	2,767	2,616	2,573	2,630	2,707	3,119	2,814	3,195
All other U.S.	2,332	2,214	2,153	2,251	2,373	2,842	2,536	2,946
Foreign	435	402	420	379	334	277	278	249
Self-support	6,375	5,922	4,933	4,585	4,667	4,991	5,239	6,676
Industrial engineering:								
Total, all sources	5,757	5,779	5,191	5,026	4,976	4,746	5,361	5,967
Federal, total	641	620	653	642	607	584	706	809
Dept. of Defense	248	172	184	208	198	179	250	236
Dept. of Energy[1]	na	na	na	na	na	na	12	31
Dept. of HHS, total	78	50	54	49	36	31	33	34
NIH	36	28	27	27	30	25	20	21
Other HHS	42	22	27	22	6	6	13	13
NASA[2]	na	na	na	27	23	32	27	26
NSF	171	203	173	171	145	175	218	260
USDA	3	1	0	1	1	4	2	7
All other Federal	141	194	242	186	204	163	164	215
Institutional support	1,944	1,875	1,821	1,765	1,683	1,708	1,913	2,124
Other non-Federal support, total	494	556	505	466	510	548	575	681
All other U.S.	405	461	422	351	406	448	486	574
Foreign	89	95	83	115	104	100	89	107
Self-support	2,678	2,728	2,212	2,153	2,176	1,906	2,167	2,353

See explanatory information, if any, and SOURCE at end of table.

Table 38. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1993-2000

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Field and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Mechanical engineering:								
Total, all sources	12,223	11,745	11,036	10,567	10,306	9,953	10,220	10,776
Federal, total	2,994	2,930	2,769	2,599	2,626	2,606	2,588	2,657
Dept. of Defense	796	782	822	739	766	728	711	655
Dept. of Energy[1]	na	na	na	na	na	na	207	238
Dept. of HHS, total	86	80	93	76	109	104	112	112
NIH	70	71	82	63	70	71	87	105
Other HHS	16	9	11	13	39	33	25	7
NASA[2]	na	na	na	210	291	289	242	292
NSF	808	786	737	768	841	908	881	913
USDA	9	10	4	13	12	5	21	7
All other Federal	1,295	1,272	1,113	793	607	572	414	439
Institutional support	4,184	4,050	3,871	3,910	3,870	3,791	4,005	4,181
Other non-Federal support, total	1,555	1,571	1,596	1,450	1,452	1,604	1,593	1,738
All other U.S.	1,385	1,331	1,343	1,246	1,283	1,461	1,427	1,543
Foreign	170	240	253	204	169	143	166	195
Self-support	3,490	3,194	2,800	2,608	2,358	1,952	2,034	2,200
Other engineering:								
Total, all sources	16,168	15,180	14,496	14,010	13,797	13,902	14,765	14,788
Federal, total	5,380	5,330	5,128	4,879	4,750	4,607	4,632	4,582
Dept. of Defense	1,862	1,625	1,631	1,534	1,453	1,249	1,216	1,235
Dept. of Energy[1]	na	na	na	na	na	na	426	518
Dept. of HHS, total	474	455	454	416	469	476	521	600
NIH	449	417	408	389	434	433	486	564
Other HHS	25	38	46	27	35	43	35	36
NASA[2]	na	na	na	466	510	506	424	488
NSF	1,035	1,059	1,050	1,020	1,038	1,021	1,084	1,084
USDA	168	191	184	160	121	109	135	120
All other Federal	1,841	2,000	1,809	1,283	1,159	1,246	826	537
Institutional support	5,005	4,907	4,605	4,271	4,408	4,476	4,916	5,058
Other non-Federal support, total	2,557	2,239	2,156	2,019	2,043	2,389	2,413	2,419
All other U.S.	2,003	1,764	1,694	1,590	1,651	2,030	2,095	2,155
Foreign	554	475	462	429	392	359	318	264
Self-support	3,226	2,704	2,607	2,841	2,596	2,430	2,804	2,729
Total, health fields:								
Total, all sources	31,985	34,606	37,010	38,840	40,407	41,820	43,717	43,435
Federal, total	6,991	7,292	7,440	7,017	7,256	7,543	8,034	7,890
Dept. of Defense	421	365	326	311	308	290	349	399
Dept. of Energy[1]	na	na	na	na	na	na	30	15
Dept. of HHS, total	5,027	5,227	5,349	5,183	5,334	5,691	5,910	5,514
NIH	2,232	2,290	2,386	2,439	2,662	2,858	2,984	3,157
Other HHS	2,795	2,937	2,963	2,744	2,672	2,833	2,926	2,357
NASA[2]	na	na	na	14	21	26	15	18
NSF	85	108	91	81	95	120	123	123
USDA	81	76	57	50	43	59	61	62
All other Federal	1,377	1,516	1,617	1,378	1,455	1,357	1,546	1,759
Institutional support	7,575	7,929	8,385	8,464	8,905	9,175	9,905	9,874
Other non-Federal support, total	1,728	1,843	1,949	1,987	1,900	2,092	2,130	2,404
All other U.S.	1,281	1,385	1,425	1,559	1,414	1,661	1,711	2,049
Foreign	447	458	524	428	486	431	419	355
Self-support	15,691	17,542	19,236	21,372	22,346	23,010	23,648	23,267

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[1] Data for Department of Energy were not collected separately prior to 1999. Students supported by the Department of Energy prior to 1999 were included under "All other Federal" support.

[2] Data for NASA were not collected separately prior to 1996. Students supported by NASA prior to 1996 were included under "All other Federal" support.

KEY:

HHS = Department of Health & Human Services
NIH = National Institutes of Health
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation
USDA = United States Department of Agriculture
na = Not available

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 39. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary mechanism of support: 1993-2000

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Field and primary mechanism of support	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields:								
Total, all types	309,940	311,583	308,052	306,851	304,696	303,777	310,174	316,531
Fellowships	28,727	28,530	28,500	28,391	28,484	28,684	29,687	30,964
Traineeships	14,954	15,053	15,380	14,874	13,782	14,413	14,150	13,639
Research assistantships	88,360	89,975	87,970	85,761	85,904	86,025	88,975	92,005
Teaching assistantships	65,553	65,138	64,231	64,009	63,674	63,362	64,345	64,355
Other types of support	112,346	112,887	111,971	113,816	112,852	111,293	113,017	115,568
Total, science and engineering:								
Total, all types	277,955	276,977	271,042	268,011	264,289	261,957	266,457	273,096
Fellowships	26,747	26,426	26,339	25,950	26,084	26,250	27,038	28,103
Traineeships	10,103	10,150	10,455	10,199	9,475	9,680	9,348	9,442
Research assistantships	84,572	85,805	83,670	81,615	81,295	81,240	83,938	86,470
Teaching assistantships	63,167	62,459	61,506	61,097	60,652	60,331	61,392	61,415
Other types of support	93,366	92,137	89,072	89,150	86,783	84,456	84,741	87,666
Sciences, total:								
Total, all types	205,903	207,114	204,853	203,605	199,988	198,087	199,986	202,127
Fellowships	20,620	20,474	20,402	20,339	20,348	20,696	20,955	21,689
Traineeships	9,074	9,237	9,454	9,335	8,600	8,804	8,581	8,703
Research assistantships	56,758	57,942	56,754	55,238	54,497	53,998	55,395	55,986
Teaching assistantships	52,127	51,819	51,444	51,196	50,596	50,325	50,821	50,539
Other types of support	67,324	67,642	66,799	67,497	65,947	64,264	64,234	65,210
Physical sciences:								
Total, all types	30,044	29,492	28,313	27,404	26,351	25,943	26,183	26,104
Fellowships	2,691	2,401	2,311	2,162	2,098	2,092	2,177	2,235
Traineeships	743	665	677	633	517	479	381	459
Research assistantships	12,185	12,251	11,717	11,406	11,179	10,948	11,169	11,008
Teaching assistantships	11,982	11,733	11,493	11,060	10,728	10,713	10,711	10,547
Other types of support	2,443	2,442	2,115	2,143	1,829	1,711	1,745	1,855
Earth, atmos., & ocean sciences:								
Total, all types	10,878	10,951	10,782	10,311	9,987	9,992	10,049	10,114
Fellowships	898	864	892	866	810	920	924	1,044
Traineeships	153	138	131	131	89	113	107	98
Research assistantships	4,615	4,715	4,528	4,204	4,147	3,985	4,140	4,126
Teaching assistantships	2,407	2,393	2,414	2,396	2,513	2,445	2,480	2,410
Other types of support	2,805	2,841	2,817	2,714	2,428	2,529	2,398	2,436
Mathematical sciences:								
Total, all types	13,906	13,563	12,809	12,405	11,619	11,150	11,200	11,173
Fellowships	1,351	1,203	1,292	1,275	1,195	1,092	1,022	1,280
Traineeships	258	244	216	177	176	153	106	117
Research assistantships	1,353	1,466	1,378	1,239	1,314	1,134	1,210	1,187
Teaching assistantships	7,338	7,349	7,043	6,918	6,528	6,388	6,581	6,617
Other types of support	3,606	3,301	2,880	2,796	2,406	2,383	2,281	1,972
Computer sciences:								
Total, all types	16,079	15,641	15,470	15,908	16,809	18,129	20,267	23,282
Fellowships	801	893	895	901	920	983	974	1,131
Traineeships	210	245	223	187	196	210	198	251
Research assistantships	3,663	3,777	3,798	3,865	3,920	4,182	4,738	5,068
Teaching assistantships	3,513	3,319	3,300	3,296	3,550	3,693	4,211	4,314
Other types of support	7,892	7,407	7,254	7,659	8,223	9,061	10,146	12,518
Agricultural sciences:								
Total, all types	9,074	9,110	9,176	8,883	8,682	8,545	8,648	8,644
Fellowships	527	520	485	451	463	470	453	421
Traineeships	153	116	124	120	113	98	74	69
Research assistantships	5,166	5,323	5,282	5,083	4,997	4,878	5,007	5,071
Teaching assistantships	860	870	922	929	925	991	1,117	1,139
Other types of support	2,368	2,281	2,363	2,300	2,184	2,108	1,997	1,944
Biological sciences:								
Total, all types	44,689	46,271	46,501	45,908	45,127	45,174	45,287	45,363
Fellowships	5,140	5,452	5,297	5,174	5,403	5,594	5,770	5,796
Traineeships	4,891	5,207	5,292	5,334	5,017	5,193	5,263	5,168
Research assistantships	18,576	19,136	18,969	18,393	18,254	17,969	18,119	18,379
Teaching assistantships	8,720	8,934	8,862	8,904	8,704	8,653	8,250	8,182
Other types of support	7,362	7,542	8,081	8,103	7,749	7,765	7,885	7,838
Psychology:								
Total, all types	28,779	29,050	28,977	29,301	29,485	29,015	28,726	28,562
Fellowships	1,884	1,807	1,790	1,905	2,062	2,264	2,366	2,297
Traineeships	1,070	993	1,060	1,114	994	1,020	937	1,148
Research assistantships	4,157	4,209	4,189	4,272	4,252	4,268	4,245	4,236
Teaching assistantships	5,938	5,731	5,793	5,822	5,854	5,619	5,658	5,443
Other types of support	15,730	16,310	16,145	16,188	16,323	15,844	15,520	15,438

See explanatory information, if any, and SOURCE at end of table.

Table 39. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary mechanism of support: 1993-2000

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Field and primary mechanism of support	1993	1994	1995	1996	1997	1998	1999	2000
Social sciences:								
Total, all types	52,454	53,036	52,825	53,485	51,928	50,139	49,626	48,885
Fellowships	7,328	7,334	7,440	7,605	7,397	7,281	7,269	7,485
Traineeships	1,598	1,629	1,731	1,639	1,498	1,538	1,515	1,393
Research assistantships	7,04[illegible]	7,065	6,893	6,776	6,434	6,634	6,767	6,911
Teaching assistantships	11,3[illegible]	11,490	11,617	11,871	11,794	11,823	11,813	11,887
Other types of support	25,118	25,518	25,144	25,594	24,805	22,863	22,262	21,209
Engineering, total:								
Total, all types	72,052	69,863	66,189	64,406	64,301	63,870	66,471	70,969
Fellowships	6,127	5,952	5,937	5,611	5,736	5,554	6,083	6,414
Traineeships	1,029	913	1,001	864	875	876	767	739
Research assistantships	27,814	27,863	26,916	26,377	26,798	27,242	28,543	30,484
Teaching assistantships	11,040	10,640	10,062	9,901	10,056	10,006	10,571	10,876
Other types of support	26,042	24,495	22,273	21,653	20,836	20,192	20,507	22,456
Chemical engineering:								
Total, all types	6,055	6,100	5,953	5,909	5,773	5,597	5,571	5,843
Fellowships	720	702	781	757	820	715	836	796
Traineeships	123	98	105	94	94	97	65	85
Research assistantships	3,140	3,287	3,119	3,071	2,988	2,900	2,944	3,091
Teaching assistantships	1,026	941	908	919	919	893	954	940
Other types of support	1,046	1,072	1,040	1,068	952	992	772	931
Civil engineering:								
Total, all types	12,041	12,220	11,829	11,420	11,083	10,807	10,927	11,536
Fellowships	888	867	892	862	859	816	865	923
Traineeships	205	187	189	175	187	189	196	117
Research assistantships	4,015	4,191	4,184	4,093	3,965	3,844	4,073	4,628
Teaching assistantships	1,795	1,874	1,822	1,765	1,758	1,748	1,768	1,845
Other types of support	5,138	5,101	4,742	4,525	4,314	4,210	4,025	4,023
Electrical engineering:								
Total, all types	19,808	18,839	17,684	17,474	18,366	18,865	19,627	22,059
Fellowships	1,448	1,479	1,435	1,377	1,380	1,313	1,360	1,338
Traineeships	169	145	155	152	122	133	76	87
Research assistantships	6,885	6,769	6,651	6,875	7,471	7,657	8,348	9,096
Teaching assistantships	3,370	3,193	3,082	3,139	3,312	3,322	3,337	3,565
Other types of support	7,936	7,253	6,361	5,931	6,081	6,440	6,506	7,973
Industrial engineering:								
Total, all types	5,757	5,779	5,191	5,026	4,976	4,746	5,361	5,967
Fellowships	282	273	302	234	238	251	257	328
Traineeships	48	32	37	14	21	24	21	18
Research assistantships	1,259	1,318	1,324	1,270	1,253	1,367	1,458	1,656
Teaching assistantships	940	930	818	778	770	772	891	954
Other types of support	3,228	3,226	2,710	2,730	2,694	2,332	2,734	3,011
Mechanical engineering:								
Total, all types	12,223	11,745	11,036	10,567	10,306	9,953	10,220	10,776
Fellowships	908	924	926	898	837	894	872	1,017
Traineeships	210	187	187	165	215	180	142	103
Research assistantships	4,765	4,666	4,398	4,255	4,331	4,481	4,629	4,844
Teaching assistantships	2,252	2,062	1,922	1,847	1,873	1,768	1,934	1,943
Other types of support	4,088	3,906	3,603	3,402	3,050	2,630	2,643	2,869
Other engineering:								
Total, all types	16,168	15,180	14,496	14,010	13,797	13,902	14,765	14,788
Fellowships	1,881	1,707	1,601	1,483	1,602	1,565	1,893	2,012
Traineeships	274	264	328	264	236	253	267	329
Research assistantships	7,750	7,632	7,240	6,813	6,790	6,993	7,091	7,169
Teaching assistantships	1,657	1,640	1,510	1,453	1,424	1,503	1,687	1,629
Other types of support	4,606	3,937	3,817	3,997	3,745	3,588	3,827	3,649
Total, health fields:								
Total, all types	31,985	34,606	37,010	38,840	40,407	41,820	43,717	43,435
Fellowships	1,980	2,104	2,161	2,441	2,400	2,434	2,649	2,861
Traineeships	4,851	4,903	4,925	4,675	4,307	4,733	4,802	4,197
Research assistantships	3,788	4,170	4,300	4,146	4,609	4,785	5,037	5,535
Teaching assistantships	2,386	2,679	2,725	2,912	3,022	3,031	2,953	2,940
Other types of support	18,980	20,750	22,899	24,666	26,069	26,837	28,276	27,902

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 40. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field and primary mechanism of support: 2000

Field	Total	Fellowships	Traineeships	Research assistantships	Teaching assistantships	Other types of support
Total, all surveyed fields	316,531	30,964	13,639	92,005	64,355	115,568
Total, science and engineering fields	273,096	28,103	9,442	86,470	61,415	87,666
Sciences, total	202,127	21,689	8,703	55,986	50,539	65,210
Physical sciences, total	26,104	2,235	459	11,008	10,547	1,855
Astronomy	823	124	21	424	224	30
Chemistry	15,380	1,279	275	6,287	6,607	932
Physics	9,706	831	163	4,226	3,690	796
Physical sciences, n.e.c.	195	1	0	71	26	97
Earth, atmos., & ocean sci., total	10,114	1,044	98	4,126	2,410	2,436
Atmospheric sciences	842	49	0	557	104	132
Geosciences	5,129	598	39	1,860	1,756	876
Oceanography	2,117	218	7	1,073	223	596
Earth, atmos., & ocean sci., n.e.c.	2,026	179	52	636	327	832
Mathematical sciences	11,173	1,280	117	1,187	6,617	1,972
Computer sciences	23,282	1,131	251	5,068	4,314	12,518
Agricultural sciences	8,644	421	69	5,071	1,139	1,944
Biological sciences, total	45,363	5,796	5,168	18,379	8,182	7,838
Anatomy	884	120	90	302	128	244
Biochemistry	4,696	685	589	2,437	564	421
Biology	8,498	1,003	386	2,246	3,462	1,401
Biometry/epidemiology	2,541	255	348	595	152	1,191
Biophysics	717	134	160	303	35	85
Botany	1,888	151	26	1,000	496	215
Cell biology	4,213	697	814	1,924	463	315
Ecology	1,210	172	33	448	355	202
Entomology/parasitology	979	47	8	608	179	137
Genetics	1,590	239	301	761	97	192
Microbio., immunology, & virology	4,498	687	768	2,121	449	473
Nutrition	2,983	154	106	1,356	400	967
Pathology	1,288	179	185	497	72	355
Pharmacology	2,591	447	521	1,172	160	291
Physiology	1,851	190	251	669	168	573
Zoology	1,270	110	16	394	651	99
Biosciences, n.e.c.	3,666	526	566	1,546	351	677
Psychology	28,562	2,297	1,148	4,236	5,443	15,438
Social sciences, total	48,885	7,485	1,393	6,911	11,887	21,209
Agricultural economics	1,777	80	41	900	216	540
Anthropology (cultural & social)	5,456	1,336	64	549	1,398	2,109
Economics (except agricultural)	8,330	1,485	187	994	2,801	2,863
Geography	2,480	206	29	599	933	713
Linguistics	2,037	321	57	197	694	768
Political science	14,665	2,317	660	1,513	2,614	7,561
Sociology	5,798	900	188	915	2,014	1,781
Sociology/anthropology	521	40	2	95	164	220
Social sciences, n.e.c.	7,821	800	165	1,149	1,053	4,654
Engineering, total	70,969	6,414	739	30,484	10,876	22,456
Aerospace engineering	2,740	368	42	1,254	330	746
Agricultural engineering	706	63	14	425	56	148
Biomedical engineering	2,841	604	189	1,173	287	588
Chemical engineering	5,843	796	85	3,091	940	931
Civil engineering	11,536	923	117	4,628	1,845	4,023
Electrical engineering	22,059	1,338	87	9,096	3,565	7,973
Engineering science	1,086	145	11	538	150	242
Industrial/manufacturing eng.	5,967	328	18	1,656	954	3,011
Mechanical engineering	10,776	1,017	103	4,844	1,943	2,869
Metallurgical/materials eng.	3,588	396	19	2,318	339	516
Nuclear engineering	660	80	14	419	47	100
Engineering, n.e.c.	3,167	356	40	1,042	420	1,309
Total, health fields	43,435	2,861	4,197	5,535	2,940	27,902
Clinical fields	2,702	304	483	482	44	1,389
Dental sciences	1,301	121	80	93	235	772
Nursing	7,646	388	1,847	452	303	4,656
Pharmaceutical sciences	2,680	213	117	864	662	824
Preventive medicine/community health	6,191	399	418	774	181	4,419
Speech pathology/audiology	7,834	302	367	789	766	5,610
Veterinary sciences	1,154	76	11	575	79	413
Other health fields	13,927	1,058	874	1,506	670	9,819

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 41. Full-time graduate students in science and engineering fields in doctorate-granting institutions, by primary mechanism and primary source of support: 1993-2000

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Primary mechanism and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Total, all types:								
Total, all sources	277,955	276,977	271,042	268,011	264,289	261,957	266,457	273,096
Federal, total	59,690	59,991	58,790	57,309	56,301	55,284	56,741	58,679
Dept. of Defense	9,254	8,995	8,912	8,367	8,619	7,913	7,616	7,685
Dept. of Energy[1]	na	na	na	na	na	na	2,711	2,973
Dept. of HHS, total	16,713	17,048	17,028	16,815	16,705	16,632	17,126	17,595
NIH	15,762	15,856	15,604	15,409	15,261	15,228	15,899	16,251
Other HHS	951	1,192	1,424	1,406	1,444	1,404	1,227	1,344
NASA[2]	na	na	na	2,238	2,528	2,572	2,487	2,713
NSF	13,343	13,682	13,490	13,290	13,225	13,285	13,670	14,428
USDA	3,230	3,322	3,181	2,933	2,594	2,410	2,554	2,556
All other Federal	17,150	16,944	16,179	13,666	12,632	12,472	10,577	10,729
Institutional support	116,827	116,722	116,293	114,833	114,956	114,489	117,779	117,569
Other non-Federal support, total	24,729	25,127	23,624	23,068	22,823	23,900	23,500	24,974
All other U.S.	19,742	19,913	18,658	18,297	18,483	20,091	20,017	21,510
Foreign	4,987	5,214	4,966	4,771	4,340	3,809	3,483	3,464
Self-support	76,709	75,137	72,335	72,801	70,209	68,284	68,437	71,874
Fellowships:								
Total, all sources	26,747	26,426	26,339	25,950	26,084	26,250	27,038	28,103
Federal, total	6,919	6,288	6,287	6,333	6,197	6,293	6,513	6,569
Dept. of Defense	624	523	470	505	521	535	484	541
Dept. of Energy[1]	na	na	na	na	na	na	99	152
Dept. of HHS, total	1,012	1,040	1,156	1,128	1,216	1,278	1,328	1,146
NIH	898	909	955	949	989	1,050	1,158	989
Other HHS	114	131	201	179	227	228	170	157
NASA[2]	na	na	na	404	362	380	356	344
NSF	2,259	2,266	2,315	2,446	2,305	2,331	2,406	2,534
USDA	113	109	134	111	136	136	140	120
All other Federal	2,911	2,350	2,212	1,739	1,655	1,633	1,700	1,732
Institutional support	13,711	13,697	14,052	14,093	14,920	14,971	15,763	16,710
Other non-Federal support, total	6,117	6,441	6,000	5,524	4,967	4,986	4,762	4,824
All other U.S.	3,668	4,032	3,772	3,383	3,098	3,257	3,252	3,465
Foreign	2,449	2,409	2,228	2,141	1,869	1,729	1,510	1,359
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Traineeships:								
Total, all sources	10,103	10,150	10,455	10,199	9,475	9,680	9,348	9,442
Federal, total	5,698	5,779	5,612	5,488	5,108	5,378	5,363	5,653
Dept. of Defense	91	109	104	124	108	64	51	57
Dept. of Energy[1]	na	na	na	na	na	na	22	10
Dept. of HHS, total	4,353	4,470	4,341	4,250	3,957	4,214	4,339	4,402
NIH	4,169	4,183	3,984	3,984	3,773	4,036	4,145	4,128
Other HHS	184	287	357	266	184	178	194	274
NASA[2]	na	na	na	65	76	57	51	46
NSF	163	256	338	431	379	408	344	322
USDA	42	36	17	24	23	14	25	18
All other Federal	1,049	908	812	594	565	621	531	798
Institutional support	3,540	3,504	4,158	4,155	3,753	3,627	3,356	3,272
Other non-Federal support, total	865	867	685	556	614	675	629	517
All other U.S.	576	646	490	374	454	531	529	372
Foreign	289	221	195	182	160	144	100	145
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Research assistantships:								
Total, all sources	84,572	85,805	83,670	81,615	81,295	81,240	83,938	86,470
Federal, total	42,759	43,505	42,669	41,569	41,234	39,688	40,702	42,197
Dept. of Defense	6,190	6,164	6,235	5,930	6,280	5,761	5,632	5,707
Dept. of Energy[1]	na	na	na	na	na	na	2,526	2,714
Dept. of HHS, total	10,928	11,183	11,132	10,997	11,054	10,533	10,740	11,290
NIH	10,339	10,468	10,336	10,122	10,106	9,601	9,996	10,437
Other HHS	589	715	796	875	948	932	744	853
NASA[2]	na	na	na	1,726	2,032	2,078	2,036	2,261
NSF	10,687	10,966	10,545	10,188	10,366	10,337	10,687	11,277
USDA	2,949	3,051	2,931	2,698	2,361	2,173	2,272	2,302
All other Federal	12,005	12,141	11,826	10,030	9,141	8,806	6,809	6,646
Institutional support	28,570	29,227	28,774	27,796	27,492	28,362	29,904	29,916
Other non-Federal support, total	13,243	13,073	12,227	12,250	12,569	13,190	13,332	14,357
All other U.S.	12,387	12,310	11,491	11,525	11,829	12,562	12,737	13,732
Foreign	856	763	736	725	740	628	595	625
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

See explanatory information, if any, and SOURCE at end of table.

Table 41. Full-time graduate students in science and engineering fields in doctorate-granting institutions, by primary mechanism and primary source of support: 1993-2000

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Primary mechanism and primary source of support	1993	1994	1995	1996	1997	1998	1999	2000
Teaching assistantships:								
Total, all sources	63,167	62,459	61,506	61,097	60,652	60,331	61,392	61,415
Federal, total	752	663	632	732	754	929	848	1,243
Dept. of Defense	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dept. of Energy[1]	na	na	na	na	na	na	16	34
Dept. of HHS, total	159	136	111	180	156	228	203	277
NIH	154	127	104	176	126	221	196	261
Other HHS	5	9	7	4	30	7	7	16
NASA[2]	na	na	na	2	24	23	9	11
NSF	137	107	151	117	80	130	119	134
USDA	45	49	37	41	30	36	60	68
All other Federal	411	371	333	392	464	512	441	719
Institutional support	61,842	61,205	60,356	59,758	59,354	58,816	59,880	59,205
Other non-Federal support, total	573	591	518	607	544	586	664	967
All other U.S.	573	591	518	607	544	586	664	967
Foreign	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Self-support	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other types of support:								
Total, all sources	93,366	92,137	89,072	89,150	86,783	84,456	84,741	87,666
Federal, total	3,562	3,756	3,590	3,187	3,008	2,996	3,315	3,017
Dept. of Defense	2,349	2,199	2,103	1,808	1,710	1,553	1,449	1,380
Dept. of Energy[1]	na	na	na	na	na	na	48	63
Dept. of HHS, total	261	219	288	260	322	379	516	480
NIH	202	169	225	178	267	320	404	436
Other HHS	59	50	63	82	55	59	112	44
NASA[2]	na	na	na	41	32	34	35	51
NSF	97	87	141	108	95	79	114	161
USDA	81	77	62	59	42	51	57	48
All other Federal	774	1,174	996	911	807	900	1,096	834
Institutional support	9,164	9,089	8,953	9,031	9,437	8,713	8,876	8,466
Other non-Federal support, total	3,931	4,155	4,194	4,131	4,129	4,463	4,113	4,309
All other U.S.	2,538	2,334	2,387	2,408	2,558	3,155	2,835	2,974
Foreign	1,393	1,821	1,807	1,723	1,571	1,308	1,278	1,335
Self-support	76,709	75,137	72,335	72,801	70,209	68,284	68,437	71,874

[1] Data for Department of Energy were not collected separately prior to 1999. Students supported by the Department of Energy prior to 1999 were included under "All other Federal" support.

[2] Data for NASA were not collected separately prior to 1996. Students supported by NASA prior to 1996 were included under "All other Federal" support.

KEY:

HHS = Department of Health & Human Services
NIH = National Institutes of Health
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation
USDA = United States Department of Agriculture
na = Not available
N/A = Not applicable

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 42. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by sex, primary source of support, and field: 2000

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Primary source of support	Total, all surveyed fields	Sciences								
		Sciences, total	Physical sciences	Earth, atmospheric, & ocean sciences	Mathematical sciences	Computer sciences	Agricultural sciences	Biological sciences	Psychology	Social sciences
	Total									
Total, all sources	316,531	202,127	26,104	10,114	11,173	23,282	8,644	45,363	28,562	48,885
Federal, total	66,569	42,017	9,180	2,945	1,354	3,595	1,884	16,607	3,163	3,289
Dept. of Defense	8,084	3,223	864	278	239	1,203	42	317	133	147
Dept. of Energy[1]	2,988	1,766	1,168	144	40	111	45	171	25	62
Dept. of HHS, total	23,109	16,462	1,954	57	92	120	57	12,224	1,582	376
NIH	19,408	15,254	1,761	40	76	82	37	11,655	1,312	291
Other HHS	3,701	1,208	193	17	16	38	20	569	270	85
NASA[2]	2,731	1,449	516	453	23	142	65	97	17	136
NSF	14,551	9,225	3,283	1,129	633	1,476	103	1,606	273	722
USDA	2,618	2,339	51	48	7	16	1,006	808	16	387
All other Federal	12,488	7,553	1,344	836	320	527	566	1,384	1,117	1,459
Institutional support	127,443	91,838	13,578	4,423	7,912	7,141	3,579	19,499	11,147	24,550
Other non-Federal, total	27,378	14,502	1,931	874	429	1,804	1,663	3,401	1,305	3,095
All other U.S.	23,559	12,121	1,763	729	300	1,540	1,430	2,975	1,256	2,128
Foreign	3,819	2,381	168	145	129	264	233	426	49	967
Self-support	95,141	53,770	1,415	1,872	1,478	10,742	1,518	5,856	12,947	17,942
	Men									
Total, all sources	177,366	108,479	18,525	5,900	7,369	17,007	4,924	22,065	8,363	24,326
Federal, total	40,796	24,838	6,710	1,812	1,007	2,911	1,103	8,433	1,140	1,722
Dept. of Defense	6,468	2,475	693	195	195	1,002	27	171	77	115
Dept. of Energy[1]	2,358	1,342	949	97	29	95	25	103	11	33
Dept. of HHS, total	11,025	8,370	1,273	33	52	95	25	6,200	538	154
NIH	9,850	7,783	1,151	25	44	65	17	5,918	446	117
Other HHS	1,175	587	122	8	8	30	8	282	92	37
NASA[2]	2,019	984	380	282	17	115	39	58	4	89
NSF	10,235	6,095	2,400	666	482	1,180	57	834	117	359
USDA	1,488	1,299	41	31	7	14	605	374	6	221
All other Federal	7,203	4,273	974	508	225	410	325	693	387	751
Institutional support	72,692	49,466	9,431	2,520	5,176	5,311	1,944	9,296	3,477	12,311
Other non-Federal, total	18,069	8,644	1,388	550	292	1,372	1,036	1,837	416	1,753
All other U.S.	15,352	7,048	1,253	447	193	1,181	866	1,587	396	1,125
Foreign	2,717	1,596	135	103	99	191	170	250	20	628
Self-support	45,809	25,531	996	1,018	894	7,413	841	2,499	3,330	8,540
	Women									
Total, all sources	139,165	93,648	7,579	4,214	3,804	6,275	3,720	23,298	20,199	24,559
Federal, total	25,773	17,179	2,470	1,133	347	684	781	8,174	2,023	1,567
Dept. of Defense	1,616	748	171	83	44	201	15	146	56	32
Dept. of Energy[1]	630	424	219	47	11	16	20	68	14	29
Dept. of HHS, total	12,084	8,092	681	24	40	25	32	6,024	1,044	222
NIH	9,558	7,471	610	15	32	17	20	5,737	866	174
Other HHS	2,526	621	71	9	8	8	12	287	178	48
NASA[2]	712	465	136	171	6	27	26	39	13	47
NSF	4,316	3,130	883	463	151	296	46	772	156	363
USDA	1,130	1,040	10	17	0	2	401	434	10	166
All other Federal	5,285	3,280	370	328	95	117	241	691	730	708
Institutional support	54,751	42,372	4,147	1,903	2,736	1,830	1,635	10,203	7,670	12,248
Other non-Federal, total	9,309	5,858	543	324	137	432	627	1,564	889	1,342
All other U.S.	8,207	5,073	510	282	107	359	564	1,388	860	1,003
Foreign	1,102	785	33	42	30	73	63	176	29	339
Self-support	49,332	28,239	419	854	584	3,329	677	3,357	9,617	9,402

See explanatory information, if any, and SOURCE at end of table.

Table 42. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by sex, primary source of support, and field: 2000

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Primary source of support	Engineering									Health fields
	Engineering, total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical & materials engineering	Other engineering	
	Total									
Total, all sources	70,969	2,740	5,843	11,536	22,059	5,967	10,776	3,568	8,460	43,435
Federal, total	16,662	944	1,672	1,924	5,018	809	2,657	1,331	2,307	7,890
Dept. of Defense	4,462	453	113	157	2,066	236	655	326	456	399
Dept. of Energy[1]	1,207	33	242	84	93	31	239	201	284	15
Dept. of HHS, total	1,133	1	155	51	181	34	112	18	581	5,514
NIH	997	1	128	40	139	21	105	11	552	3,157
Other HHS	136	0	27	11	42	13	7	7	29	2,357
NASA[2]	1,264	324	102	74	282	26	292	67	97	18
NSF	5,203	94	770	595	1,581	260	913	534	456	123
USDA	217	5	35	36	12	7	7	9	106	62
All other Federal	3,176	34	255	927	803	215	439	176	327	1,759
Institutional support	25,731	853	2,290	4,908	7,170	2,124	4,181	1,103	3,102	9,874
Other non-Federal, total	10,472	401	1,086	1,353	3,195	681	1,738	714	1,304	2,404
All other U.S.	9,389	350	982	1,189	2,946	574	1,543	661	1,144	2,049
Foreign	1,083	51	104	164	249	107	195	53	160	355
Self-support	18,104	542	795	3,351	6,676	2,353	2,200	440	1,747	23,267
	Men									
Total, all sources	56,508	2,368	4,299	8,304	18,507	4,646	9,432	2,741	6,211	12,379
Federal, total	13,355	835	1,187	1,360	4,252	626	2,318	1,040	1,737	2,603
Dept. of Defense	3,843	409	86	114	1,783	192	601	269	389	150
Dept. of Energy[1]	1,007	29	182	59	82	24	222	175	234	9
Dept. of HHS, total	797	1	102	32	139	25	94	13	391	1,858
NIH	693	1	83	24	108	15	88	6	368	1,374
Other HHS	104	0	19	8	31	10	6	7	23	484
NASA[2]	1,025	275	65	56	246	19	239	46	79	10
NSF	4,068	86	538	407	1,326	199	781	402	329	72
USDA	154	5	24	28	9	7	5	3	73	35
All other Federal	2,461	30	190	664	667	160	376	132	242	469
Institutional support	20,151	710	1,684	3,472	5,998	1,614	3,618	803	2,252	3,075
Other non-Federal, total	8,497	352	819	1,000	2,711	560	1,522	567	966	928
All other U.S.	7,565	305	740	863	2,492	467	1,347	518	833	739
Foreign	932	47	79	137	219	93	175	49	133	189
Self-support	14,505	471	609	2,472	5,546	1,846	1,974	331	1,256	5,773
	Women									
Total, all sources	14,461	372	1,544	3,232	3,552	1,321	1,344	847	2,249	31,056
Federal, total	3,307	109	485	564	766	183	339	291	570	5,287
Dept. of Defense	619	44	27	43	283	44	54	57	67	249
Dept. of Energy[1]	200	4	60	25	11	7	17	26	50	6
Dept. of HHS, total	336	0	53	19	42	9	18	5	190	3,656
NIH	304	0	45	16	31	6	17	5	184	1,783
Other HHS	32	0	8	3	11	3	1	0	6	1,873
NASA[2]	239	49	37	18	36	7	53	21	18	8
NSF	1,135	8	232	188	255	61	132	132	127	51
USDA	63	0	11	8	3	0	2	6	33	27
All other Federal	715	4	65	263	136	55	63	44	85	1,290
Institutional support	5,580	143	606	1,436	1,172	510	563	300	850	6,799
Other non-Federal, total	1,975	49	267	353	484	121	216	147	338	1,476
All other U.S.	1,824	45	242	326	454	107	196	143	311	1,310
Foreign	151	4	25	27	30	14	20	4	27	166
Self-support	3,599	71	186	879	1,130	507	226	109	491	17,494

[1] Data for Department of Energy were not collected separately prior to 1999. Students supported by the Department of Energy prior to 1999 were included under "All other Federal" support.

[2] Data for NASA were not collected separately prior to 1996. Students supported by NASA prior to 1996 were included under "All other Federal" support.

KEY:

HHS = Department of Health & Human Services
NIH = National Institutes of Health
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation
USDA = United States Department of Agriculture

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 43. Full-time graduate science, engineering, and health students with U.S. citizenship or permanent resident status in doctorate-granting institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	218,868	223,805	223,240	221,669	218,370	215,341	214,957	210,758
Total, science and engineering fields	190,652	192,752	189,806	186,734	181,830	177,441	175,489	171,729
Sciences, total	150,618	152,846	152,377	151,236	147,859	145,090	144,124	140,709
Physical sciences, total	18,865	18,710	17,967	17,262	16,427	16,179	15,951	15,393
Astronomy	638	694	646	642	584	581	574	564
Chemistry	10,890	10,925	10,669	10,503	10,133	10,019	10,074	9,767
Physics	7,241	6,953	6,509	5,983	5,592	5,472	5,188	4,940
Physical sciences, n.e.c.	96	138	143	134	118	107	115	122
Earth, atmos., & ocean sci., total	8,239	8,129	8,229	7,944	7,791	7,834	7,865	7,736
Atmospheric sciences	706	731	708	709	684	622	534	559
Geosciences	4,304	4,234	4,221	4,104	4,057	3,937	3,993	3,951
Oceanography	1,575	1,602	1,605	1,531	1,455	1,523	1,613	1,629
Earth, atmos., & ocean sci., n.e.c.	1,654	1,562	1,695	1,600	1,595	1,752	1,725	1,597
Mathematical sciences	8,603	8,361	7,825	7,463	6,892	6,647	6,174	5,974
Computer sciences	8,274	8,144	8,016	7,712	7,758	8,010	8,625	8,340
Agricultural sciences	6,304	6,348	6,468	6,357	6,362	6,347	6,526	6,610
Biological sciences, total	32,915	34,616	35,489	35,528	35,036	34,855	35,172	34,632
Anatomy	683	707	672	746	740	684	656	677
Biochemistry	3,396	3,504	3,595	3,513	3,417	3,451	3,393	3,151
Biology	7,070	7,221	7,087	7,089	7,274	7,014	6,975	6,835
Biometry/epidemiology	1,448	1,523	1,593	1,694	1,569	1,977	1,954	1,852
Biophysics	541	562	602	632	558	545	530	515
Botany	1,534	1,607	1,507	1,501	1,439	1,368	1,354	1,322
Cell biology	2,514	2,798	2,989	2,995	2,999	3,061	3,291	3,298
Ecology	875	1,026	1,122	1,096	1,025	1,046	1,064	1,052
Entomology/parasitology	718	743	709	742	736	734	693	714
Genetics	1,274	1,205	1,232	1,242	1,235	1,212	1,257	1,231
Microbio., immunology, & virology	3,348	3,421	3,512	3,475	3,427	3,466	3,571	3,602
Nutrition	1,735	1,986	2,170	2,295	2,190	2,075	2,103	2,060
Pathology	927	1,027	1,032	1,022	1,139	1,049	1,068	1,000
Pharmacology	1,889	2,050	2,007	1,950	1,920	1,991	1,999	1,982
Physiology	1,623	1,647	1,867	1,797	1,701	1,573	1,443	1,426
Zoology	1,415	1,386	1,459	1,363	1,276	1,204	1,190	1,086
Biosciences, n.e.c.	1,925	2,203	2,334	2,376	2,391	2,405	2,631	2,829
Psychology	27,287	27,387	27,455	27,804	27,954	27,393	27,120	26,845
Social sciences, total	40,131	41,151	40,928	41,166	39,639	37,825	36,691	35,179
Agricultural economics	1,063	1,092	1,065	979	897	884	878	874
Anthropology (cultural & social)	4,661	5,051	5,085	5,280	5,034	4,919	4,918	4,779
Economics (except agricultural)	5,265	5,220	4,902	4,524	3,934	3,797	3,357	3,282
Geography	2,357	2,474	2,372	2,385	2,319	2,210	2,120	1,954
Linguistics	1,555	1,533	1,517	1,577	1,503	1,357	1,278	1,190
Political science	14,342	14,022	13,581	13,335	12,823	12,101	11,630	11,329
Sociology	5,089	5,301	5,416	5,321	5,281	5,046	4,899	4,748
Sociology/anthropology	541	574	542	525	559	521	451	454
Social sciences, n.e.c.	5,258	5,884	6,448	7,240	7,289	6,990	7,160	6,569
Engineering, total	40,034	39,906	37,429	35,498	33,971	32,351	31,365	31,020
Aerospace engineering	2,144	1,834	1,592	1,402	1,312	1,257	1,270	1,353
Agricultural engineering	403	438	414	393	397	398	398	373
Biomedical engineering	1,544	1,534	1,623	1,657	1,767	1,821	1,915	1,972
Chemical engineering	3,111	3,355	3,294	3,368	3,250	3,037	2,811	2,800
Civil engineering	7,123	7,509	7,282	7,181	6,807	6,588	6,257	6,205
Electrical engineering	10,085	10,062	9,056	8,412	8,229	7,736	7,147	7,215
Engineering science	822	829	823	628	618	626	561	513
Industrial/manufacturing eng.	3,120	3,095	2,754	2,439	2,350	2,153	2,351	2,336
Mechanical engineering	7,124	6,995	6,491	5,952	5,518	5,142	4,948	4,820
Metallurgical/materials eng.	2,287	2,344	2,179	1,983	1,913	1,883	1,698	1,634
Nuclear engineering	634	618	536	487	434	389	343	348
Engineering, n.e.c.	1,637	1,293	1,385	1,596	1,376	1,321	1,666	1,451
Total, health fields	28,216	31,053	33,434	34,935	36,540	37,900	39,468	39,029
Clinical fields	1,665	1,834	1,919	2,002	2,201	2,168	2,288	2,450
Dental sciences	800	854	890	869	961	967	954	965
Nursing	5,908	6,660	7,096	7,153	7,406	7,186	7,767	7,329
Pharmaceutical sciences	1,174	1,312	1,188	1,166	1,162	1,155	1,474	1,488
Preventive medicine/community health	4,388	4,628	5,147	4,919	4,916	5,674	5,917	5,437
Speech pathology/audiology	6,029	6,429	6,500	6,925	7,158	7,253	7,450	7,529
Veterinary sciences	494	516	518	499	742	789	767	847
Other health fields	7,758	8,820	10,176	11,402	11,994	12,708	12,851	12,984

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 44. Full-time graduate science, engineering, and health students without U.S. citizenship or permanent resident status in doctorate-granting institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	91,072	87,778	84,812	85,182	86,326	88,436	95,217	105,773
Total, science and engineering fields	87,303	84,225	81,236	81,277	82,459	84,516	90,968	101,367
Sciences, total	55,285	54,268	52,476	52,369	52,129	52,997	55,862	61,418
Physical sciences, total	11,179	10,782	10,346	10,142	9,924	9,764	10,232	10,711
Astronomy	210	259	225	212	184	206	234	259
Chemistry	5,959	5,840	5,701	5,613	5,483	5,427	5,560	5,613
Physics	4,963	4,620	4,366	4,275	4,217	4,086	4,373	4,766
Physical sciences, n.e.c.	47	63	54	42	40	45	65	73
Earth, atmos., & ocean sci., total	2,639	2,822	2,553	2,367	2,196	2,158	2,184	2,378
Atmospheric sciences	272	250	248	268	280	232	257	283
Geosciences	1,504	1,544	1,388	1,292	1,167	1,109	1,100	1,178
Oceanography	555	661	578	507	469	482	461	488
Earth, atmos., & ocean sci., n.e.c.	308	367	339	300	280	335	366	429
Mathematical sciences	5,303	5,202	4,984	4,942	4,727	4,503	5,026	5,199
Computer sciences	7,805	7,497	7,454	8,196	9,051	10,119	11,642	14,942
Agricultural sciences	2,770	2,762	2,708	2,526	2,320	2,198	2,122	2,034
Biological sciences, total	11,774	11,655	11,012	10,380	10,091	10,319	10,115	10,731
Anatomy	230	215	232	204	202	184	188	207
Biochemistry	1,718	1,680	1,579	1,442	1,365	1,395	1,385	1,545
Biology	1,717	1,641	1,604	1,598	1,681	1,698	1,616	1,663
Biometry/epidemiology	542	533	500	468	436	606	627	689
Biophysics	214	208	198	175	170	162	151	202
Botany	817	738	639	627	610	621	595	566
Cell biology	736	855	807	800	780	794	781	915
Ecology	165	161	154	143	131	133	156	158
Entomology/parasitology	321	323	332	285	259	266	278	265
Genetics	366	348	340	363	385	367	363	359
Microbio., immunology, & virology	1,211	1,232	1,115	1,009	938	904	900	896
Nutrition	1,183	1,092	1,110	1,007	947	909	882	923
Pathology	337	332	318	317	279	278	283	288
Pharmacology	616	631	532	560	541	559	552	609
Physiology	597	574	509	420	401	417	433	425
Zoology	250	262	220	203	176	160	132	184
Biosciences, n.e.c.	754	830	823	759	790	866	793	837
Psychology	1,492	1,663	1,522	1,497	1,531	1,622	1,606	1,717
Social sciences, total	12,323	11,885	11,897	12,319	12,289	12,314	12,935	13,706
Agricultural economics	882	822	897	802	821	786	807	903
Anthropology (cultural & social)	671	667	577	586	592	630	693	677
Economics (except agricultural)	4,538	4,455	4,527	4,738	4,632	4,515	4,766	5,048
Geography	422	387	393	396	432	483	487	526
Linguistics	892	887	865	856	829	839	829	847
Political science	2,659	2,522	2,551	2,842	2,726	2,819	3,181	3,336
Sociology	1,111	1,018	892	898	943	916	982	1,050
Sociology/anthropology	72	70	75	65	72	87	63	67
Social sciences, n.e.c.	1,076	1,057	1,120	1,136	1,242	1,239	1,127	1,252
Engineering, total	32,018	29,957	28,760	28,908	30,330	31,519	35,106	39,949
Aerospace engineering	1,083	1,133	1,076	1,143	1,193	1,287	1,353	1,387
Agricultural engineering	432	441	445	406	351	358	369	333
Biomedical engineering	690	712	654	624	644	654	793	869
Chemical engineering	2,944	2,745	2,659	2,541	2,523	2,560	2,760	3,043
Civil engineering	4,918	4,711	4,547	4,239	4,276	4,219	4,670	5,331
Electrical engineering	9,723	8,777	8,628	9,062	10,137	11,129	12,480	14,844
Engineering science	573	514	418	426	398	485	466	573
Industrial/manufacturing eng.	2,637	2,684	2,437	2,587	2,626	2,593	3,010	3,631
Mechanical engineering	5,099	4,750	4,545	4,615	4,788	4,811	5,272	5,956
Metallurgical/materials eng.	1,984	1,775	1,717	1,735	1,766	1,828	1,847	1,954
Nuclear engineering	436	379	347	284	274	273	298	312
Engineering, n.e.c.	1,499	1,336	1,287	1,246	1,354	1,322	1,788	1,716
Total, health fields	3,769	3,553	3,576	3,905	3,867	3,920	4,249	4,406
Clinical fields	383	356	252	232	209	206	249	252
Dental sciences	258	224	260	309	329	317	272	336
Nursing	227	275	284	242	294	299	339	317
Pharmaceutical sciences	945	863	950	1,048	1,057	1,042	1,047	1,192
Preventive medicine/community health	866	722	733	811	785	822	932	754
Speech pathology/audiology	300	293	248	258	264	279	294	305
Veterinary sciences	240	225	254	284	286	259	285	307
Other health fields	550	595	595	721	643	696	831	943

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 45. Graduate students in science and engineering fields in doctorate-granting institutions, ranked by 2000 total graduate science and engineering students: 1993-2000

Institutional ranking in 2000	1993	1994	1995	1996	1997	1998	1999	2000
Total, all institutions	389,648	386,413	377,857	371,643	364,578	361,107	365,770	368,595
1 University of Michigan	5,094	5,067	4,890	4,966	4,809	4,688	4,930	5,006
2 Texas A&M Univ	5,117	4,788	4,526	4,752	4,620	4,567	4,475	4,919
3 Stanford University	4,661	4,495	4,526	4,510	4,322	4,469	4,711	4,604
4 University of Southern California	5,260	4,546	4,272	4,126	4,259	4,333	4,492	4,551
5 University of Colorado	4,220	4,009	4,067	4,307	4,222	4,219	4,205	4,533
6 University of Calif, Berkeley	4,481	4,430	4,460	4,453	4,345	4,390	4,461	4,478
7 University of Minnesota	5,316	5,072	4,836	4,713	4,487	4,469	4,609	4,446
8 Massachusetts Institute of Technology	4,382	4,343	4,206	4,168	4,074	4,145	4,304	4,381
9 University of Wisconsin-Madison	5,466	5,294	5,044	4,698	4,507	4,250	4,356	4,335
10 University of Illinois at Urbana-Champaign	4,998	4,885	4,920	4,573	4,389	4,301	4,359	4,314
Total, 1st 10 institutions	48,995	46,929	45,747	45,266	44,034	43,831	44,902	45,567
11 University of Maryland at College Park	3,972	4,008	4,024	4,026	3,880	3,887	3,823	4,086
12 Georgia Institute of Technology	3,649	3,688	3,540	3,472	3,412	3,572	3,695	4,059
13 University of Florida	3,583	3,502	3,427	3,400	3,411	3,496	3,780	4,051
14 University of Washington	3,748	3,764	3,757	3,639	3,734	3,621	3,875	3,895
15 University of Calif, Los Angeles	3,448	3,832	3,626	3,551	3,412	3,613	3,731	3,798
16 Ohio State University	4,671	4,420	4,332	4,053	3,764	3,773	3,724	3,787
17 Pennsylvania State University	4,261	4,223	4,271	4,054	3,951	3,837	3,854	3,775
18 Univ of Texas at Austin	4,722	4,550	4,199	3,529	3,860	3,794	3,679	3,756
19 Wayne State University	2,925	2,910	2,694	2,420	2,385	2,082	2,277	3,729
20 George Washington University	4,517	4,532	4,305	4,150	3,851	3,591	3,702	3,682
Total, 1st 20 institutions	88,491	86,358	83,922	81,560	79,694	79,297	81,042	84,185
21 North Carolina State University	3,034	3,342	3,405	3,492	3,553	3,425	3,473	3,540
22 Virginia Polytechnic Inst and State Univ	3,381	3,298	3,506	3,572	3,419	3,201	3,190	3,540
23 Purdue University	3,890	3,877	3,746	3,618	3,482	3,450	3,495	3,522
24 Cornell University	3,707	3,683	3,640	3,495	3,225	3,353	3,460	3,429
25 Rutgers the State Univ of New Jersey	3,920	3,867	3,802	3,645	3,441	3,295	3,443	3,406
26 Harvard University	3,244	3,231	3,185	3,097	3,024	3,016	3,087	3,211
27 Arizona State University	3,154	3,077	3,080	3,084	3,100	3,109	3,090	3,173
28 George Mason University	2,566	2,682	3,101	2,922	2,930	2,872	2,855	2,937
29 University of Arizona	3,248	3,227	3,004	2,898	2,851	2,770	2,812	2,785
30 DePaul University	1,435	1,460	1,467	1,640	1,743	1,942	2,132	2,772
Total, 1st 30 institutions	120,070	118,102	115,858	113,023	110,462	109,730	112,079	116,500
31 New York University	2,833	2,668	2,606	2,886	2,791	2,914	2,939	2,750
32 University of Calif, Davis	2,554	2,495	2,425	2,473	2,529	2,515	2,587	2,714
33 Michigan State University	3,171	3,064	3,005	2,981	2,862	2,826	2,820	2,712
34 Louisiana State University	3,036	3,127	3,184	3,133	3,003	2,834	2,917	2,661
35 Iowa State University	2,876	2,799	2,676	2,693	2,608	2,437	2,503	2,608
36 Indiana University	3,540	3,467	3,441	3,258	2,883	2,707	2,678	2,590
37 University of Kansas	2,027	2,551	2,459	2,826	2,718	2,518	2,514	2,552
38 University of Pittsburgh	3,067	3,119	2,946	2,761	2,693	2,532	2,569	2,543
39 SUNY at Buffalo	2,911	2,784	2,679	2,527	2,443	2,449	2,619	2,537
40 University of Massachusetts	2,675	2,758	2,757	2,697	2,671	2,700	2,779	2,528
Total, 1st 40 institutions	148,760	146,934	144,036	141,258	137,663	136,162	139,004	142,695
41 Boston University	2,356	2,484	2,430	2,437	2,407	2,437	2,400	2,489
42 University of Illinois at Chicago	2,307	2,160	2,088	2,097	2,215	2,208	2,282	2,395
43 New Jersey Institute of Technology	1,742	1,664	1,711	1,705	1,874	1,917	1,943	2,387
44 Columbia Univ in the City of New York	2,397	2,411	2,309	2,442	2,385	2,419	2,333	2,182
45 Illinois Institute of Technology	2,079	1,913	1,542	2,138	2,058	1,983	2,110	2,154
46 Carnegie Mellon University	1,664	1,628	1,648	1,700	1,763	1,922	2,000	2,100
47 SUNY at Albany	1,884	1,760	1,665	2,038	2,056	2,079	2,098	2,031
48 Univ of North Carolina at Chapel Hill	2,375	2,344	2,282	2,269	2,175	2,166	2,150	1,988
49 SUNY at Stony Brook	2,122	2,135	2,098	1,946	1,885	1,906	2,015	1,970
50 University of Calif, San Diego	1,798	1,781	1,814	1,812	1,846	1,826	1,857	1,922
Total, 1st 50 institutions	169,484	167,214	163,623	161,842	158,327	157,025	160,192	164,313
51 Univ of Houston	2,785	1,985	1,844	1,826	1,858	1,826	1,938	1,917
52 University of Pennsylvania	2,456	2,360	2,386	2,104	1,929	1,933	1,996	1,910
53 Nova Southeastern University	1,503	1,778	1,808	1,712	1,710	1,722	1,838	1,880
54 Univ of Texas at Arlington	1,945	1,810	1,609	1,554	1,463	1,407	1,611	1,859
55 American University	2,305	2,280	2,166	2,034	1,951	1,857	1,857	1,822
56 Colorado State University	1,973	1,956	1,927	1,751	1,770	1,738	1,755	1,822
57 University of Georgia	1,781	1,855	1,837	1,798	1,818	1,760	1,758	1,822
58 University of Cincinnati	2,175	2,233	2,267	2,183	1,945	1,930	1,904	1,815
59 University of Central Florida	1,457	1,615	524	1,579	1,510	1,508	1,739	1,795
60 University of Chicago	2,046	2,153	2,070	1,954	1,941	1,918	1,984	1,781
Total, 1st 60 institutions	189,910	187,239	182,061	180,337	176,222	174,624	178,572	182,736

See explanatory information, if any, and SOURCE at end of table.

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Table 45. Graduate students in science and engineering fields in doctorate-granting institutions, ranked by 2000 total graduate science and engineering students: 1993-2000

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Institutional ranking in 2000	1993	1994	1995	1996	1997	1998	1999	2000
61 University of New Mexico	1,862	1,817	1,819	1,735	1,607	1,612	1,658	1,779
62 Kansas State University	1,732	1,781	1,777	1,709	1,679	1,669	1,753	1,765
63 Johns Hopkins University	1,389	1,610	1,645	1,677	1,734	1,835	1,802	1,755
64 University of Connecticut	2,208	2,089	2,067	1,991	1,874	1,820	1,915	1,750
65 University of Wisconsin-Milwaukee	1,538	1,484	1,427	1,384	1,327	1,286	1,201	1,733
66 Rensselaer Polytechnic Institute	2,024	1,933	1,694	1,508	1,623	1,557	1,646	1,728
67 University of South Florida	1,844	1,743	1,744	1,699	1,700	1,655	1,789	1,712
68 Syracuse University	1,823	1,817	1,518	1,516	1,341	1,591	1,613	1,695
69 Northeastern University	2,036	1,973	1,815	1,801	1,741	1,724	1,709	1,690
70 University of Utah	1,695	1,684	1,814	1,690	1,586	1,550	1,550	1,681
Total, 1st 70 institutions	208,061	205,170	199,381	197,047	192,434	190,923	195,208	200,024
71 University of Tennessee at Knoxville	2,489	2,489	2,283	2,082	1,937	1,997	1,887	1,676
72 Univ of Texas at Dallas	1,017	946	944	1,033	1,134	1,109	1,221	1,636
73 University of Virginia	1,923	1,878	1,798	1,731	1,669	1,610	1,561	1,631
74 University of Calif, Santa Barbara	1,394	1,439	1,444	1,439	1,412	1,538	1,570	1,625
75 CUNY Graduate Center	1,664	1,699	1,573	1,529	2,022	2,022	1,748	1,569
76 University of Kentucky	1,731	1,800	1,791	1,708	1,657	1,575	1,751	1,532
77 Clemson University	1,830	1,757	1,686	1,658	1,596	1,529	1,562	1,522
78 University of Nebraska at Lincoln	1,979	1,982	1,833	1,758	1,624	1,550	1,567	1,522
79 University of Oklahoma	1,953	1,774	1,703	1,732	1,547	1,527	1,558	1,522
80 Auburn University	1,887	1,854	1,849	1,687	1,529	1,451	1,399	1,498
Total, 1st 80 institutions	225,928	222,788	216,285	213,404	208,561	206,831	211,032	215,757
81 Southern Illinois Univ at Carbondale	1,326	1,304	1,282	1,213	1,154	1,246	1,328	1,481
82 San Diego State University	1,544	1,473	1,148	1,277	1,246	1,237	1,456	1,474
83 Drexel University	1,400	1,534	1,405	1,425	1,594	1,557	1,479	1,467
84 Oregon State University	1,904	1,887	1,891	1,796	1,651	1,397	1,439	1,464
85 Oklahoma State University	1,773	1,747	1,785	1,719	1,718	1,811	1,640	1,460
86 West Virginia University	1,443	1,409	1,324	1,285	1,414	1,406	1,473	1,458
87 University of Missouri-Columbia	1,842	1,789	1,743	1,605	1,552	1,454	1,541	1,452
88 University of Iowa	1,746	1,714	1,687	1,601	1,505	1,437	1,410	1,447
89 Northwestern University	1,799	1,719	1,645	1,638	1,516	1,479	1,515	1,438
90 Florida State University	1,377	1,402	1,506	1,389	1,306	1,266	1,297	1,429
Total, 1st 90 institutions	242,082	238,766	231,701	228,352	223,217	221,121	225,610	230,327
91 Princeton University	1,367	1,298	1,307	1,266	1,240	1,309	1,323	1,427
92 University of Hawaii at Manoa	1,747	1,843	1,763	1,734	1,598	1,575	1,488	1,412
93 Univ of North Texas	1,308	1,287	1,230	1,205	1,297	1,309	1,608	1,410
94 University of Calif, Irvine	1,493	1,442	1,392	1,357	1,309	1,319	1,360	1,406
95 University of Delaware	1,497	1,505	1,493	1,409	1,377	1,429	1,413	1,396
96 Duke University	1,363	1,361	1,337	1,310	1,262	1,318	1,339	1,379
97 Temple University	1,241	1,163	1,078	1,264	979	952	957	1,379
98 University of Massachusetts Lowell	1,552	1,679	1,763	1,646	1,515	1,576	1,557	1,366
99 Yale University	1,561	1,549	1,539	1,456	1,312	1,315	1,322	1,350
100 University of Arkansas Main	1,202	1,225	1,321	1,236	1,062	1,195	1,227	1,282
Total, 1st 100 institutions	256,413	253,118	245,944	242,235	236,168	234,418	239,204	244,134
101 Long Island University	1,142	1,041	1,137	1,089	1,069	1,005	1,279	1,279
102 Old Dominion University	1,244	1,232	1,237	1,248	1,274	1,281	1,223	1,277
103 Florida International University	856	1,036	1,083	1,046	1,041	1,015	1,114	1,262
104 Case Western Reserve University	1,423	1,447	1,422	1,426	1,433	1,349	1,234	1,250
105 Teachers College, Columbia University	1,629	1,661	1,741	1,842	1,906	1,998	2,106	1,245
106 Washington University	1,361	1,339	1,308	1,226	1,196	1,232	1,263	1,233
107 Mississippi State University	1,210	1,165	1,119	1,132	1,149	1,458	1,154	1,230
108 Western Michigan University	1,566	1,548	1,326	1,311	1,417	1,500	1,412	1,227
109 University of South Carolina	1,660	1,649	1,604	1,448	1,450	1,325	1,222	1,217
110 Calif State Univ, Long Beach	1,682	1,486	1,428	1,383	1,317	1,351	1,285	1,213
Total, 1st 110 institutions	270,186	266,722	259,349	255,386	249,420	247,932	252,496	256,567
111 Texas Tech University	1,487	1,432	1,343	1,264	1,294	1,325	1,198	1,190
112 Utah State University	1,363	1,370	1,337	1,229	1,143	1,120	1,188	1,175
113 Washington State University	1,359	1,421	1,450	1,391	1,228	1,200	1,104	1,168
114 Univ of Puerto Rico Rio Piedras Campus	1,138	1,129	1,083	1,065	1,086	1,113	1,176	1,150
115 Antioch University	1,532	1,590	1,474	1,430	1,320	1,083	1,099	1,136
116 University of Louisville	1,122	1,125	1,099	1,095	963	998	1,183	1,127
117 University of Alabama at Birmingham, The	827	815	789	920	1,028	1,101	1,062	1,118
118 Vanderbilt University	1,026	1,117	1,137	1,154	1,129	1,121	1,124	1,113
119 Fairleigh Dickinson University	1,020	849	841	871	841	844	901	1,109
120 SUNY at Binghamton	1,129	1,132	1,093	1,072	1,093	1,067	1,113	1,106
Total, 1st 120 institutions	282,189	278,702	270,995	266,877	260,545	258,904	263,644	267,959

See explanatory information, if any, and SOURCE at end of table.

Table 45. Graduate students in science and engineering fields in doctorate-granting institutions, ranked by 2000 total graduate science and engineering students: 1993-2000

Institutional ranking in 2000	1993	1994	1995	1996	1997	1998	1999	2000
121 Tufts University	1,050	1,070	1,018	1,073	1,067	995	972	1,101
122 Portland State University	1,026	1,061	1,009	1,026	1,001	1,038	1,203	1,070
123 Calif Institute of Technology	1,131	1,087	1,073	1,022	1,031	982	982	1,042
124 University of Idaho	1,115	1,145	1,081	1,018	1,149	1,208	1,200	1,042
125 Southern Methodist University	997	1,031	1,131	1,222	1,260	1,167	1,137	1,038
126 Northern Illinois University	1,065	1,097	1,109	1,055	1,034	993	1,006	1,025
127 Virginia Commonwealth University	1,157	1,139	1,213	1,146	1,022	1,070	1,409	1,025
128 University of Missouri-Rolla	1,144	1,021	1,016	914	886	848	857	1,016
129 Georgia State University	999	1,097	1,102	1,024	1,032	1,004	1,056	1,015
130 University of Miami	1,196	1,252	1,172	1,095	1,012	996	958	1,002
Total, 1st 130 institutions	293,069	289,702	281,919	277,472	271,039	269,205	274,424	278,335
131 Wichita State University	712	705	761	812	865	986	905	990
132 University of Rochester	1,372	1,305	1,226	1,146	1,097	1,033	1,026	972
133 Ohio University	942	927	921	928	940	896	898	968
134 Brigham Young University	1,069	1,193	1,154	1,188	1,179	1,059	1,042	965
135 University of Akron	1,321	1,320	1,344	1,369	1,361	1,231	1,205	961
136 New School University	1,029	1,032	1,008	1,031	1,060	1,000	999	957
137 University of Alabama, The	974	963	985	1,070	1,040	1,000	966	943
138 University of Rhode Island	1,148	1,129	1,096	900	800	800	875	923
139 New Mexico State University	1,272	1,212	1,176	1,052	990	963	915	914
140 Stevens Institute of Technology	1,416	1,360	1,305	1,390	1,326	1,163	1,219	911
Total, 1st 140 institutions	304,324	300,848	292,895	288,358	281,697	279,336	284,474	287,839
141 Wright State University	864	815	845	873	851	867	854	901
142 University of Nevada, Reno	911	956	963	918	956	966	926	899
143 Fielding Institute, The	513	484	899	905	948	937	964	895
144 Cleveland State University	1,160	1,151	1,122	758	774	759	735	894
145 University of Maryland, Baltimore County	1,052	1,035	1,027	964	869	909	851	882
146 University of Calif, Riverside	763	729	795	757	785	739	772	881
147 Loyola University of Chicago	621	684	777	811	810	768	799	878
148 Florida Atlantic University	1,006	980	929	895	857	810	893	871
149 University of Denver	831	858	808	768	727	768	825	862
150 University of Toledo	754	750	818	963	925	915	913	862
Total, 1st 150 institutions	312,799	309,290	301,878	296,970	290,199	287,774	293,006	296,664
151 University of Notre Dame	868	855	859	873	846	826	834	835
152 University of Memphis, The	885	927	873	757	997	816	783	828
153 Univ of North Carolina at Charlotte	705	713	740	728	674	625	684	804
154 Naval Postgraduate School	1,280	1,195	1,049	927	872	890	795	795
155 Tulane University	860	897	834	829	726	743	746	794
156 Pace University	845	808	564	829	564	561	605	786
157 Polytechnic University	1,559	1,438	1,505	1,427	1,372	1,200	1,200	778
158 Florida Institute of Technology	828	801	754	756	743	740	721	775
159 Oakland University	700	706	803	819	841	841	700	772
160 University of New Hampshire	687	660	689	795	757	737	760	770
Total, 1st 160 Institutions	322,016	318,290	310,548	305,710	298,591	295,753	300,834	304,601
161 Rice University	844	811	752	723	737	746	730	763
162 Marquette University	578	600	556	591	626	707	679	758
163 University of Illinois at Springfield	724	791	924	887	841	780	919	756
164 University of Wyoming	877	877	818	761	846	789	755	754
165 Brown University	797	766	760	733	717	701	722	753
166 University of Alabama in Huntsville, The	1,012	926	819	706	697	680	755	753
167 Kent State University	806	811	849	799	824	786	764	751
168 University of Calif, Santa Cruz	690	717	732	732	726	734	735	750
169 Univ of Puerto Rico Mayaguez Campus	524	520	582	663	727	712	687	733
170 Walden University	0	0	0	223	310	555	669	730
Total, 1st 170 institutions	328,868	325,109	317,340	312,528	305,642	302,943	308,249	312,102
171 Santa Clara University	1,144	952	945	927	956	871	846	697
172 Lehigh University	1,099	1,085	999	1,072	1,030	987	901	682
173 Calif Sch of Prof Psych-San Diego	643	582	573	618	642	620	573	681
174 University of Nebraska at Omaha	631	595	535	526	514	483	580	677
175 Colorado School of Mines	869	851	806	778	765	762	700	668
176 University of Oregon	787	778	771	703	675	682	648	666
177 Emory University	649	685	719	713	711	707	680	665
178 Southwest Texas State University	656	689	703	698	624	643	730	649
179 Pepperdine University	1,084	1,039	943	806	739	713	682	646
180 New York Institute of Technology	997	961	1,013	980	872	819	744	624
Total, 1st 180 institutions	337,427	333,326	325,347	320,329	313,170	310,230	315,333	318,757

See explanatory information, if any, and SOURCE at end of table.

Table 45. Graduate students in science and engineering fields in doctorate-granting institutions, ranked by 2000 total graduate science and engineering students: 1993-2000

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Institutional ranking in 2000	1993	1994	1995	1996	1997	1998	1999	2000
181 Yeshiva University	561	571	585	579	594	634	665	624
182 Univ of Texas at El Paso	667	660	578	586	579	576	647	621
183 University of Bridgeport	148	135	148	172	298	327	430	620
184 University of Mississippi	659	714	700	682	631	599	586	615
185 Claremont Graduate School	613	683	659	684	712	655	625	604
186 Worcester Polytechnic Institute	712	711	634	603	596	816	611	603
187 Michigan Technological University	554	573	584	555	543	546	589	600
188 Caribbean Center for Advanced Studies	181	203	325	320	319	502	566	594
189 Howard University	677	761	741	727	698	642	610	592
190 University of Maine	783	757	737	666	584	586	572	588
Total, 1st 190 institutions	342,982	339,094	331,038	325,905	318,724	316,113	321,434	324,818
191 University of Montana, The	601	588	593	550	552	583	577	584
192 Villanova University	884	857	758	702	727	607	498	578
193 Georgetown University	693	744	746	716	722	641	602	575
194 North Dakota State University	581	599	579	572	523	507	580	554
195 Univ of Texas Houston Hlth Sci Ctr	499	541	560	588	584	566	558	553
196 Marshall University	204	224	250	264	544	723	621	551
197 Montana State University-Bozeman	626	605	594	569	551	569	583	550
198 University of Vermont	632	629	680	570	538	541	535	539
199 Roosevelt University	575	541	608	585	628	600	555	536
200 Univ of Louisiana at Lafayette	483	466	429	469	438	402	454	530
Total, 1st 200 institutions	348,760	344,888	336,835	331,490	324,531	321,852	326,997	330,368
201 Northern Arizona University	572	587	572	549	517	538	527	519
202 St. John's University	558	556	530	469	455	466	528	518
203 Illinois State University	544	514	549	564	547	547	500	510
204 University of Dayton	804	788	651	635	551	482	541	508
205 Bowling Green State University	659	667	708	609	573	492	489	503
206 Miami University (OH)	507	518	483	425	434	483	521	502
207 Ball State University	412	436	442	486	482	453	517	500
208 University of Southern Mississippi	462	548	634	604	582	573	437	500
209 University of North Dakota	339	335	333	324	324	451	463	499
210 Seton Hall University	430	394	610	577	546	543	531	498
Total, 1st 210 institutions	354,047	350,231	342,347	336,732	329,542	326,880	332,051	335,425
211 Brandeis University	465	473	524	565	549	550	455	494
212 Rochester Institute of Technology	896	776	623	621	560	548	503	494
213 University of Nevada Las Vegas	495	531	567	521	510	495	450	486
214 University of Missouri-Kansas City	490	431	512	470	467	465	422	482
215 University of Missouri-St. Louis	310	425	455	438	392	382	420	479
216 Central Michigan University	324	353	363	422	425	462	391	466
217 Dartmouth College	384	371	363	351	357	308	420	444
218 University of Alaska Fairbanks	603	627	600	587	571	503	502	441
219 MCP Hahnemann University	409	422	513	482	510	544	462	435
220 SUNY College of Env Science and Forestry	428	415	410	395	400	426	434	435
Total, 1st 220 institutions	358,851	355,055	347,277	341,584	334,283	331,563	336,510	340,081
221 Air Force Institute of Technology	550	481	514	533	504	426	392	423
222 Fordham University	633	559	500	472	471	458	424	417
223 North Carolina A&T State University	318	404	401	407	386	412	406	415
224 College of William and Mary	432	436	450	434	394	401	423	408
225 Saint Louis University	453	478	479	475	430	430	426	407
226 University of Detroit Mercy	596	626	607	484	454	441	408	407
227 Boston College	475	493	480	495	464	454	416	405
228 Loma Linda University	138	169	194	278	533	470	458	404
229 Catholic University of America	739	672	602	598	518	480	439	403
230 Texas A&M Univ-Kingsville	456	393	408	376	484	381	419	398
Total, 1st 230 institutions	363,641	359,766	351,912	346,138	338,921	335,916	340,721	344,168
231 University of South Alabama	318	328	326	367	338	336	352	397
232 South Dakota State University	521	498	499	497	459	421	383	395
233 University of Calif, San Francisco	315	352	330	338	330	362	315	390
234 Univ of North Carolina at Greensboro	355	370	305	288	295	339	365	380
235 Texas A&M Univ-Commerce	303	245	244	244	278	310	339	375
236 Union Institute, The	724	673	512	302	274	410	419	374
237 Golden Gate University	157	331	476	381	488	389	318	373
238 Calif Sch of Prof Psych-Los Angeles	537	541	361	280	725	686	665	370
239 Texas Woman's University	498	508	503	573	526	521	467	370
240 Hofstra University	342	356	346	335	371	360	357	369
Total, 1st 240 institutions	367,711	363,968	355,814	349,743	343,005	340,050	344,701	347,961

See explanatory information, if any, and SOURCE at end of table.

Table 45. Graduate students in science and engineering fields in doctorate-granting institutions, ranked by 2000 total graduate science and engineering students: 1993-2000

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Institutional ranking in 2000	1993	1994	1995	1996	1997	1998	1999	2000
241 Oregon Grad Inst of Science & Technology	320	318	287	205	301	279	235	369
242 Univ of Texas at San Antonio	493	508	478	466	483	444	395	366
243 Calif Sch of Prof Psych-Fresno	393	370	399	411	339	308	374	357
244 Calif Institute of Integral Studies	447	416	450	487	381	360	343	354
245 Indiana University of Pennsylvania	203	301	333	296	317	321	374	352
246 Philadelphia College of Osteopathic Med	0	0	85	120	157	188	196	349
247 Univ of Texas SW Medical Ctr at Dallas	361	385	381	379	352	355	364	349
248 University of Hartford	288	271	272	288	249	295	225	346
249 East Carolina University	375	313	333	331	331	405	362	343
250 Lamar University	397	349	295	290	294	280	335	342
Total, 1st 250 institutions	370,988	367,199	359,127	353,016	346,209	343,285	347,904	351,488
251 Loyola College	861	853	756	745	699	684	654	342
252 Baylor College of Medicine	279	273	285	284	302	317	333	335
253 Tennessee State University	216	327	388	375	382	401	373	332
254 Azusa Pacific University	234	288	206	363	387	392	334	326
255 Duquesne University	280	382	335	393	337	341	327	324
256 Louisiana Tech University	386	345	303	306	327	280	249	315
257 Univ of Med and Dentistry of New Jersey	204	225	206	197	198	214	241	312
258 Pontifical Cath Univ of Puerto Rico, The	15	20	20	10	11	10	17	311
259 University of Tulsa	339	346	350	310	300	312	307	306
260 Fuller Theological Seminary	373	381	416	408	396	369	334	304
Total, 1st 260 institutions	374,175	370,639	362,392	356,407	349,548	346,605	351,073	354,695
261 Pacific Graduate School of Psychology	348	351	314	349	299	285	296	288
262 Sam Houston State University	375	386	374	369	315	387	367	284
263 Clark University	266	261	351	320	269	277	281	283
264 Jackson State University	304	332	328	322	324	313	287	283
265 Wright Institute	221	242	253	248	245	293	292	282
266 Baylor University	352	363	337	332	298	282	268	281
267 Florida A&M University	177	229	268	251	243	218	231	281
268 Middle Tennessee State University	596	557	435	441	323	287	271	276
269 South Dakota School of Mines and Tech	219	194	208	196	183	205	205	276
270 New Mexico Institute of Mining and Tech	255	232	222	233	224	232	251	270
Total, 1st 270 institutions	377,288	373,786	365,482	359,468	352,271	349,384	353,822	357,499
271 Tennessee Technological University	314	319	323	307	308	315	342	270
272 Wake Forest University	245	290	272	276	275	245	267	270
273 Idaho State University	364	374	377	325	277	266	258	267
274 University of Massachusetts Dartmouth	146	196	187	172	245	264	258	261
275 University of Maryland, Baltimore	288	287	261	280	295	312	256	253
276 Indiana State University	330	343	345	346	369	312	320	252
277 Forest Institute of Professional Psych	169	162	148	166	181	224	246	251
278 University of Arkansas at Little Rock	261	255	228	230	230	192	197	240
279 CUNY Hunter College	383	378	374	203	186	206	262	239
280 Stephen F. Austin State University	230	260	243	247	271	254	271	239
Total, 1st 280 institutions	380,018	376,650	368,240	362,020	354,908	351,974	356,499	360,041
281 Thomas Jefferson University	224	249	297	307	281	260	289	236
282 US International University	473	419	378	378	409	300	304	235
283 James Madison University	120	97	103	104	166	212	254	234
284 Adelphi University	317	271	248	287	318	228	296	229
285 University of La Verne	202	118	154	130	204	188	320	225
286 Calif Sch of Prof Psych-Alameda	508	455	428	370	286	262	246	223
287 University of Northern Colorado	231	216	166	180	181	192	208	220
288 Medical University of South Carolina	192	193	237	238	235	225	238	216
289 Finch U of Hlth Sci/The Chicago Med Sch	137	133	269	288	277	253	237	215
290 East Tennessee State University	311	304	321	325	392	268	287	214
Total, 1st 290 institutions	382,733	379,105	370,841	364,627	357,657	354,362	359,178	362,288
291 Clarkson University	287	254	239	226	216	180	197	204
292 Clark Atlanta University	386	418	382	374	347	299	256	200
293 Mt. Sinai School of Medicine	170	169	174	178	183	192	190	197
294 University of South Dakota	207	207	221	225	209	203	203	195
295 University of Tennessee, Memphis	150	157	156	134	158	181	180	180
296 Univ of Texas San Antonio Hlth Sci Ctr	163	168	169	182	189	190	186	179
297 Mercer University	147	147	154	147	167	161	171	170
298 Maharishi University of Management	51	48	33	35	48	78	81	167
299 Arkansas State University	257	265	264	260	262	314	158	165
300 New York Medical College	199	241	239	238	188	174	167	163
Total, 1st 300 institutions	384,750	381,179	372,872	366,626	359,624	356,334	360,967	364,108

See explanatory information, if any, and SOURCE at end of table.

Table 45. Graduate students in science and engineering fields in doctorate-granting institutions, ranked by 2000 total graduate science and engineering students: 1993-2000

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Institutional ranking in 2000	1993	1994	1995	1996	1997	1998	1999	2000
301 Mayo Graduate School	120	114	136	133	141	142	139	153
302 Medical College of Wisconsin	119	126	125	117	144	199	166	151
303 Oregon Health Sciences University	126	138	143	135	123	136	137	149
304 Spalding University	91	115	117	125	137	137	143	149
305 Univ of Texas Med Branch at Galveston	145	158	152	140	160	148	150	149
306 Alabama A&M University	312	272	202	194	250	134	69	147
307 Alfred University	144	174	154	170	129	130	134	147
308 Meharry Medical College	69	144	140	139	131	125	125	145
309 University of Northern Iowa	92	154	173	168	155	118	134	142
310 Univ of Louisiana at Monroe, The	118	147	119	172	181	157	138	136
Total, 1st 310 institutions	386,086	382,721	374,333	368,119	361,175	357,760	362,302	365,576
311 Univ of Puerto Rico Med Sci Campus	132	128	144	135	96	110	133	135
312 University of Maryland, Eastern Shore	90	104	89	98	113	123	97	128
313 Eastern Virginia Medical School	138	156	155	136	139	130	127	124
314 Rockefeller University, The	136	132	125	93	105	110	109	119
315 University of Arkansas, Med Sci Campus	104	113	124	138	131	145	136	117
316 Hampton University	90	129	123	98	76	118	129	115
317 Wesleyan University	139	143	120	120	119	117	112	114
318 Woods Hole Oceanographic Institution	112	120	115	137	137	134	125	114
319 Creighton University	93	53	120	129	93	98	108	112
320 Morgan State University	81	87	73	69	89	80	103	111
Total, 1st 320 institutions	387,201	383,886	375,521	369,272	362,273	358,925	363,481	366,765
321 Slippery Rock University of Pennsylvania	191	123	123	168	158	189	179	107
322 Andrews University	157	139	133	144	111	98	101	103
323 American International College	123	123	124	122	184	184	157	102
324 Tuskegee University	123	114	120	91	112	119	118	102
325 Texas Christian University	149	146	153	142	136	122	113	101
326 Bryn Mawr College	120	111	115	114	108	97	95	96
327 Medical College of Ohio	52	227	148	155	112	94	94	89
328 Rush University	103	100	100	77	75	85	94	88
329 University of Nebraska Medical Center	76	81	84	87	86	78	78	88
330 Albany Medical College	96	95	102	93	96	80	76	83
Total, 1st 330 institutions	388,391	385,145	376,723	370,465	363,451	360,071	364,586	367,724
331 SUNY Upstate Medical University	72	71	65	68	68	72	77	81
332 Texas A&M Univ-Sys Health Science Center	0	0	0	0	0	0	56	72
333 Institute of Paper Science & Technology	77	79	83	76	68	74	75	69
334 Uniformed Serv Univ of the Hlth Sciences	66	57	58	55	63	62	61	68
335 CUNY Herbert H. Lehman College	65	72	41	70	52	57	56	67
336 RAND Graduate School of Policy Studies	61	55	56	52	49	54	57	64
337 University of San Diego	47	58	56	51	51	73	133	61
338 Widener University, All Campuses	148	152	145	132	106	88	84	57
339 SUNY Health Science Center at Brooklyn	104	94	82	76	78	66	63	55
340 Medical College of Georgia	64	66	66	67	73	68	88	51
Total, 1st 340 institutions	389,095	385,849	377,375	371,112	364,059	360,685	365,336	368,369
341 University of the Pacific	48	54	51	55	50	49	50	50
342 Univ of the Sciences in Philadelphia	33	29	30	26	21	29	34	45
343 Biola University	155	149	146	174	167	48	46	40
344 Ponce School of Medicine	14	12	16	13	17	17	17	21
345 Institute of Textile Technology	34	29	25	27	28	27	22	20
346 Mass College of Pharmacy/Allied Health	20	20	20	20	23	23	25	20
347 Morehouse School of Medicine	9	21	12	22	16	16	15	15
348 Baylor College of Dentistry	9	7	9	7	7	10	16	12
349 Smith College	7	4	4	7	7	4	4	3
350 Charles R. Drew Univ of Medicine & Sci	0	0	0	0	0	0	0	0
Total, 1st 350 institutions	389,424	386,174	377,688	371,463	364,395	360,908	365,565	368,595
351 Chicago School of Prof Psych	148	159	169	180	183	199	205	0
352 Des Moines Univ-Osteopathic Med Ctr	0	0	0	0	0	0	0	0
353 Emerson College	0	0	0	0	0	0	0	0
354 Kirksville College of Osteopathic Med	0	0	0	0	0	0	0	0
355 Medical College of Pennsylvania, The	73	80	0	0	0	0	0	0
356 Midwestern University	0	0	0	0	0	0	0	0
357 Pacific University	0	0	0	0	0	0	0	0
358 SUNY College of Optometry	0	0	0	0	0	0	0	0
359 Univ of North Texas Hlth Sci Ctr at Fort	0	0	0	0	0	0	0	0
360 Univ of Texas M.D. Anderson Cancer Ctr	0	0	0	0	0	0	0	0
Total, 1st 360 institutions	389,645	386,413	377,857	371,643	364,578	361,107	365,770	368,595

See explanatory information, if any, and SOURCE at end of table.

Table 45. Graduate students in science and engineering fields in doctorate-granting institutions, ranked by 2000 total graduate science and engineering students: 1993-2000

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Institutional ranking in 2000	1993	1994	1995	1996	1997	1998	1999	2000
361 University of New England	3	0	0	0	0	0	0	0
362 Xavier University of Louisiana	0	0	0	0	0	0	0	0
Total, 1st 362 institutions	389,648	386,413	377,857	371,643	364,578	361,107	365,770	368,595

NOTES: Includes medical schools.

Ties listed in alphabetical order.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 46. Science, engineering, and health postdoctoral appointees in doctorate-granting institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	34,262	36,299	35,858	37,055	38,124	39,443	40,194	41,548
Total, science and engineering fields	24,605	25,709	26,094	26,518	26,889	27,401	28,531	28,953
Sciences, total	22,162	23,104	23,447	23,841	23,929	24,566	25,358	25,745
Physical sciences, total	5,642	5,849	5,817	5,794	5,856	5,885	6,043	5,880
Astronomy	219	246	276	312	317	357	372	305
Chemistry	3,557	3,710	3,625	3,559	3,695	3,683	3,774	3,574
Physics	1,827	1,849	1,820	1,837	1,745	1,805	1,813	1,871
Physical sciences, n.e.c.	39	44	96	86	99	40	84	130
Earth, atmos., & ocean sci., total	762	815	845	859	934	893	919	1,135
Atmospheric sciences	81	89	88	80	98	85	107	94
Geosciences	423	435	440	449	486	459	473	496
Oceanography	204	237	258	244	258	249	235	246
Earth, atmos., & ocean sci., n.e.c.	54	54	59	86	92	100	104	299
Mathematical sciences	224	239	262	326	302	274	348	375
Computer sciences	164	183	213	250	316	365	328	352
Agricultural sciences	695	699	694	672	698	662	709	777
Biological sciences, total	13,777	14,383	14,663	14,907	14,894	15,492	15,856	16,093
Anatomy	423	466	468	498	541	532	574	504
Biochemistry	2,368	2,379	2,421	2,477	2,539	2,532	2,485	2,439
Biology	1,4[illegible]2	1,552	1,590	1,620	1,506	1,715	1,806	1,852
Biometry/epidemiology	131	128	153	153	159	155	159	112
Biophysics	176	184	230	252	240	239	266	164
Botany	511	590	630	599	596	581	597	414
Cell biology	1,480	1,686	1,802	1,775	1,771	2,032	2,068	1,860
Ecology	65	88	95	107	130	107	117	139
Entomology/parasitology	223	190	179	183	216	181	178	197
Genetics	665	661	752	719	708	707	776	775
Microbio., immunology, & virology	1,873	1,917	1,940	1,971	2,012	2,100	2,158	2,233
Nutrition	210	192	186	198	209	234	238	204
Pathology	1,202	1,256	1,188	1,220	1,359	1,297	1,291	1,728
Pharmacology	1,334	1,379	1,404	1,424	1,342	1,437	1,481	1,449
Physiology	1,150	1,109	1,026	1,089	1,118	1,138	1,132	1,140
Zoology	165	164	154	124	108	140	145	112
Biosciences, n.e.c.	339	442	445	498	340	365	385	771
Psychology	520	546	577	589	567	606	703	698
Social sciences, total	378	390	376	444	362	389	452	435
Agricultural economics	46	45	39	56	50	38	43	35
Anthropology (cultural & social)	52	57	67	74	59	61	87	68
Economics (except agricultural)	38	46	27	16	19	29	31	26
Geography	28	26	16	22	12	18	30	33
Linguistics	29	20	16	36	19	18	14	19
Political science	35	44	36	35	32	63	69	41
Sociology	72	78	91	127	102	79	104	93
Sociology/anthropology	5	4	0	0	0	0	0	0
Social sciences, n.e.c.	73	70	84	78	69	83	74	120
Engineering, total	2,443	2,605	2,647	2,677	2,960	2,835	3,173	3,208
Aerospace engineering	116	100	101	109	125	133	128	111
Agricultural engineering	39	45	46	48	58	56	62	56
Biomedical engineering	85	141	134	143	158	180	242	220
Chemical engineering	529	527	576	545	631	606	663	676
Civil engineering	181	210	201	230	248	225	299	271
Electrical engineering	386	411	381	395	506	485	542	520
Engineering science	78	95	101	93	115	110	122	163
Industrial/manufacturing eng.	63	54	30	30	28	30	27	48
Mechanical engineering	358	388	410	425	437	430	471	469
Metallurgical/materials eng.	403	441	490	496	464	404	419	480
Nuclear engineering	40	39	28	28	33	19	30	33
Engineering, n.e.c.	165	154	149	135	157	157	168	161
Total, health fields	9,657	10,590	9,764	10,537	11,235	12,042	11,663	12,595
Clinical fields	7,618	8,333	7,428	8,021	8,542	9,317	8,963	9,762
Dental sciences	109	227	250	196	203	176	212	230
Nursing	40	48	43	23	38	43	49	64
Pharmaceutical sciences	527	571	501	503	504	511	435	434
Preventive medicine/community health	248	264	291	307	344	316	347	367
Speech pathology/audiology	49	40	53	46	36	57	56	57
Veterinary sciences	137	141	162	192	220	223	250	284
Other health fields	929	966	1,036	1,249	1,348	1,399	1,351	1,397

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 47. Science, engineering, and health postdoctoral appointees in doctorate-granting institutions, by detailed field, source of support, and citizenship: 2000

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Field	Total	Source of support					Citizenship	
		Federal				Non-Federal	U.S. citizens and permanent residents	Temporary visa holders
		Total	Fellowships	Traineeships	Research grants			
Total, all surveyed fields	41,548	29,004	3,805	2,495	22,704	12,544	18,633	22,915
Total, science and engineering fields	28,953	21,364	2,116	1,243	18,005	7,589	12,008	16,945
Sciences, total	25,745	19,097	2,010	1,219	15,868	6,648	10,967	14,778
Physical sciences, total	5,880	4,458	378	48	4,032	1,422	2,038	3,842
Astronomy	305	267	44	3	220	38	178	127
Chemistry	3,574	2,622	256	34	2,332	952	1,161	2,413
Physics	1,871	1,463	78	11	1,374	408	618	1,253
Physical sciences, n.e.c.	130	106	0	0	106	24	81	49
Earth, atmos., & ocean sci., total	1,135	935	115	6	814	200	694	441
Atmospheric sciences	94	91	8	0	83	3	62	32
Geosciences	496	387	55	1	331	109	268	228
Oceanography	246	206	40	5	161	40	124	122
Earth, atmos., & ocean sci., n.e.c	299	251	12	0	239	48	240	59
Mathematical sciences	375	235	39	8	188	140	146	229
Computer sciences	352	272	24	0	248	80	146	206
Agricultural sciences	777	465	26	3	436	312	316	461
Biological sciences, total	16,093	12,006	1,274	1,018	9,714	4,087	6,787	9,306
Anatomy	504	405	48	30	327	99	221	283
Biochemistry	2,439	1,911	140	96	1,675	528	1,002	1,437
Biology	1,852	1,[illegible]58	287	33	1,038	494	881	971
Biometry/epidemiology	112	88	12	42	34	24	68	44
Biophysics	164	134	9	16	109	30	66	98
Botany	414	275	12	0	263	139	164	250
Cell biology	1,860	1,292	183	91	1,018	568	871	989
Ecology	139	92	12	4	76	47	93	46
Entomology/parasitology	197	139	1	0	138	58	90	107
Genetics	775	563	99	51	413	212	353	422
Microbio., immunology, & virology	2,233	1,745	151	185	1,409	488	917	1,316
Nutrition	204	126	6	13	107	78	72	132
Pathology	1,728	1,154	68	196	890	574	716	1,012
Pharmacology	1,449	1,149	90	114	945	300	544	905
Physiology	1,140	904	86	94	724	236	420	720
Zoology	112	76	10	3	63	36	73	39
Biosciences, n.e.c.	771	595	60	50	485	176	236	535
Psychology	698	495	91	105	299	203	534	164
Social sciences, total	435	231	63	31	137	204	306	129
Agricultural economics	35	25	2	0	23	10	16	19
Anthropology (cultural & social)	68	21	5	1	15	47	59	9
Economics (except agricultural)	26	7	4	0	3	19	19	7
Geography	33	23	1	0	22	10	19	14
Linguistics	19	11	3	0	8	8	10	9
Political science	41	9	4	0	5	32	23	18
Sociology	93	60	22	15	23	33	79	14
Sociology/anthropology	0	0	0	0	0	0	0	0
Social sciences, n.e.c.	120	75	22	15	38	45	81	39
Engineering, total	3,208	2,267	106	24	2,137	941	1,041	2,167
Aerospace engineering	111	95	1	0	94	16	51	60
Agricultural engineering	56	38	0	0	38	18	13	43
Biomedical engineering	220	173	18	14	141	47	105	115
Chemical engineering	676	454	22	0	432	222	182	494
Civil engineering	271	170	24	0	146	101	114	157
Electrical engineering	520	373	10	1	362	147	144	376
Engineering science	163	135	13	5	117	28	65	98
Industrial/manufacturing eng.	48	37	0	0	37	11	23	25
Mechanical engineering	469	312	5	0	307	157	150	319
Metallurgical/materials eng.	480	336	12	2	322	144	130	350
Nuclear engineering	33	26	1	0	25	7	20	13
Engineering, n.e.c.	161	118	0	2	116	43	44	117

See explanatory information, if any, and SOURCE at end of table.

Table 47. Science, engineering, and health postdoctoral appointees in doctorate-granting institutions, by detailed field, source of support, and citizenship: 2000

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Field	Total	Source of support					Citizenship	
		Federal				Non-Federal	U.S. citizens and permanent residents	Temporary visa holders
		Total	Fellowships	Traineeships	Research grants			
Total, health fields	12,595	7,640	1,689	1,252	4,699	4,955	6,625	5,970
Clinical fields	9,762	5,743	1,416	1,007	3,320	4,019	5,161	4,601
Dental sciences	230	111	9	43	59	119	115	115
Nursing	64	58	12	19	27	6	56	8
Pharmaceutical sciences	434	276	33	7	236	158	165	269
Preventive medicine/community health	367	290	41	40	209	77	217	150
Speech pathology/audiology	57	56	18	2	36	1	41	16
Veterinary sciences	284	153	16	13	124	131	157	127
Other health fields	1,397	953	144	121	688	444	713	684

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 48. Total postdoctoral appointees in doctorate-granting institutions, by area of study, ranked by total postdoctoral appointees: 2000

Institutional ranking	Total, all surveyed fields	Science and engineering			Health Fields
		Total	Science	Engi-neering	
Total, all institutions	41,548	28,953	25,745	3,208	12,595
1 Harvard University	3,491	1,535	1,491	44	1,956
2 Stanford University	1,196	701	621	80	495
3 Yeshiva University	1,122	597	597	0	525
4 Johns Hopkins University	1,029	450	396	54	579
5 University of Washington	1,011	605	548	57	406
6 University of Calif, San Diego	998	646	586	60	352
7 University of Colorado	977	828	757	71	149
8 University of Pennsylvania	928	532	495	37	396
9 University of Calif, Los Angeles	876	479	409	70	397
10 Massachusetts Institute of Technology	794	751	569	182	43
Total, 1st 10 institutions	12,422	7,124	6,469	655	5,298
11 University of Michigan	685	354	286	68	331
12 Washington University	667	391	368	23	276
13 Duke University	646	409	372	37	237
14 University of Minnesota	638	522	450	72	116
15 Cornell University	610	459	402	57	151
16 Univ of North Carolina at Chapel Hill	578	310	307	3	268
17 University of Pittsburgh	560	314	284	30	246
18 Univ of Texas SW Medical Ctr at Dallas	543	334	334	0	209
19 University of Calif, San Francisco	543	141	141	0	402
20 University of Southern California	515	277	235	42	238
Total, 1st 20 institutions	18,407	10,635	9,648	987	7,772
21 Calif Institute of Technology	495	495	413	82	0
22 University of Arizona	471	437	416	21	34
23 University of Wisconsin-Madison	471	366	324	42	105
24 University of Calif, Davis	449	374	317	57	75
25 Tufts University	435	116	102	14	319
26 Baylor College of Medicine	430	280	280	0	150
27 Indiana University	423	285	280	5	138
28 University of Virginia	402	328	295	33	74
29 Vanderbilt University	397	273	269	4	124
30 SUNY at Stony Brook	394	284	273	11	110
Total, 1st 30 institutions	22,774	13,873	12,617	1,256	8,901
31 University of Massachusetts	385	253	234	19	132
32 Thomas Jefferson University	383	276	276	0	107
33 Emory University	373	198	198	0	175
34 Case Western Reserve University	365	242	198	44	123
35 University of Calif, Irvine	364	315	282	33	49
36 University of Chicago	355	247	247	0	108
37 Columbia Univ in the City of New York	352	290	269	21	62
38 University of Iowa	352	172	158	14	180
39 Princeton University	320	320	260	60	0
40 Mayo Graduate School	314	110	110	0	204
Total, 1st 40 institutions	26,337	16,296	14,849	1,447	10,041
41 New York University	313	266	266	0	47
42 Pennsylvania State University	312	303	257	46	9
43 University of Alabama at Birmingham, The	295	132	126	6	163
44 University of Rochester	291	164	159	5	127
45 Ohio State University	288	238	193	45	50
46 University of Florida	288	264	229	35	24
47 Michigan State University	284	276	255	21	8
48 University of Illinois at Chicago	283	162	153	9	121
49 University of Utah	277	265	229	36	12
50 University of Illinois at Urbana-Champaign	265	254	203	51	11
Total, 1st 50 institutions	29,233	18,620	16,919	1,701	10,613
51 University of Maryland at College Park	255	250	200	50	5
52 Purdue University	243	190	152	38	53
53 Texas A&M Univ	241	230	197	33	11
54 SUNY at Buffalo	232	204	194	10	28
55 Rockefeller University, The	231	195	195	0	36

See explanatory information, if any, and SOURCE at end of table.

Table 48. Total postdoctoral appointees in doctorate-granting institutions, by area of study, ranked by total postdoctoral appointees: 2000

Institutional ranking	Total, all surveyed fields	Science and engineering			Health Fields
		Total	Science	Engineering	
56 University of Connecticut	228	187	146	41	41
57 University of Kentucky	224	179	160	19	45
58 University of Cincinnati	220	106	94	12	114
59 Univ of Texas Med Branch at Galveston	215	119	119	0	96
60 Univ of Texas at Austin	213	198	136	62	15
Total, 1st 60 institutions	31,535	20,478	18,512	1,966	11,057
61 Univ of Texas M.D. Anderson Cancer Ctr	208	111	111	0	97
62 University of Georgia	205	194	191	3	11
63 Univ of Texas Houston Hlth Sci Ctr	201	0	0	0	201
64 Louisiana State University	199	194	184	10	5
65 Rutgers the State Univ of New Jersey	197	170	131	39	27
66 University of Calif, Riverside	190	185	173	12	5
67 Iowa State University	180	177	123	54	3
68 University of Missouri-Columbia	179	144	126	18	35
69 University of Calif, Santa Barbara	176	176	100	76	0
70 University of South Carolina	169	165	101	64	4
Total, 1st 70 institutions	33,439	21,994	19,752	2,242	11,445
71 Medical University of South Carolina	165	73	73	0	92
72 University of Maryland, Baltimore	165	112	112	0	53
73 University of Calif, Santa Cruz	163	163	160	3	0
74 Washington State University	157	147	128	19	10
75 University of Kansas	155	137	133	4	18
76 University of Miami	154	130	127	3	24
77 Colorado State University	144	122	117	5	22
78 Oregon Health Sciences University	142	82	82	0	60
79 Virginia Commonwealth University	139	74	74	0	65
80 Northwestern University	135	135	91	44	0
Total, 1st 80 institutions	34,958	23,169	20,849	2,320	11,789
81 University of Delaware	135	135	100	35	0
82 University of Nebraska at Lincoln	133	118	101	17	15
83 Carnegie Mellon University	130	130	98	32	0
84 Boston University	129	110	110	0	19
85 Wayne State University	128	87	87	0	41
86 Univ of Med and Dentistry of New Jersey	127	79	79	0	48
87 Virginia Polytechnic Inst and State Univ	126	119	58	61	7
88 University of Oklahoma	124	98	87	11	26
89 Rice University	123	123	101	22	0
90 North Carolina State University	118	109	68	41	9
Total, 1st 90 institutions	36,231	24,277	21,738	2,539	11,954
91 Medical College of Wisconsin	111	67	67	0	44
92 Dartmouth College	107	104	92	12	3
93 Oregon State University	107	101	82	19	6
94 University of Louisville	107	42	40	2	65
95 Wake Forest University	104	40	39	1	64
96 Florida State University	102	102	99	3	0
97 University of Tennessee at Knoxville	101	84	72	12	17
98 Kansas State University	100	98	97	1	2
99 University of Tennessee, Memphis	99	94	94	0	5
100 Georgia Institute of Technology	98	98	56	42	0
Total, 1st 100 institutions	37,267	25,107	22,476	2,631	12,160
101 MCP Hahnemann University	98	44	44	0	54
102 Brandeis University	97	74	74	0	23
103 University of Vermont	97	75	68	7	22
104 University of Notre Dame	90	90	65	25	0
105 Univ of Texas San Antonio Hlth Sci Ctr	89	51	51	0	38
106 Medical College of Georgia	88	83	83	0	5
107 Uniformed Serv Univ of the Hlth Sciences	85	82	82	0	3
108 University of New Mexico	84	80	64	16	4
109 Brown University	81	67	51	16	14
110 Texas Tech University	80	80	62	18	0

See explanatory information, if any, and SOURCE at end of table

Table 48. Total postdoctoral appointees in doctorate-granting institutions, by area of study, ranked by total postdoctoral appointees: 2000

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Institutional ranking	Total, all surveyed fields	Science and engineering			Health Fields
		Total	Science	Engineering	
Total, 1st 110 institutions	38,156	25,833	23,120	2,713	12,323
111 Loyola University of Chicago	76	53	53	0	23
112 University of Missouri-Kansas City	75	69	69	0	6
113 University of Wyoming	74	74	69	5	0
114 Rensselaer Polytechnic Institute	72	72	43	29	0
115 Drexel University	70	70	25	45	0
116 Montana State University-Bozeman	70	61	51	10	9
117 Tulane University	70	70	61	9	0
118 University of Nebraska Medical Center	70	44	44	0	26
119 CUNY Graduate Center	69	69	69	0	0
120 Temple University	65	24	24	0	41
Total, 1st 120 institutions	38,867	26,439	23,628	2,811	12,428
121 University of Houston	65	56	52	4	9
122 University of Oregon	65	65	65	0	0
123 University of Rhode Island	61	61	50	11	0
124 Arizona State University	60	60	51	9	0
125 Georgetown University	59	59	59	0	0
126 Saint Louis University	56	54	54	0	2
127 University of South Florida	56	56	49	7	0
128 University of Akron	52	52	46	6	0
129 University of Hawaii at Manoa	52	48	43	5	4
130 West Virginia University	45	45	42	3	0
Total, 1st 130 institutions	39,438	26,995	24,139	2,856	12,443
131 Georgia State University	44	44	44	0	0
132 Rush University	44	20	20	0	24
133 Clarkson University	43	43	19	24	0
134 University of Arkansas Main	43	43	39	4	0
135 Oklahoma State University	42	42	40	2	0
136 Oregon Grad Inst of Science & Technology	39	39	24	15	0
137 Polytechnic University	39	39	23	16	0
138 Texas A&M Univ-Sys Health Science Center	39	39	39	0	0
139 University of Mississippi	39	31	28	3	8
140 Boston College	38	38	38	0	0
Total, 1st 140 institutions	39,848	27,373	24,453	2,920	12,475
141 North Dakota State University	38	37	37	0	1
142 University of Alabama, The	38	38	32	6	0
143 University of Maryland, Baltimore County	38	38	26	12	0
144 Auburn University	36	28	19	9	8
145 Medical College of Ohio	36	28	28	0	8
146 Clemson University	35	35	32	3	0
147 George Washington University	35	26	26	0	9
148 Loma Linda University	35	14	14	0	21
149 Northeastern University	35	35	30	5	0
150 University of Arkansas, Med Sci Campus	35	35	35	0	0
Total, 1st 150 institutions	40,209	27,687	24,732	2,955	12,522
151 Lehigh University	34	34	21	13	0
152 New York Medical College	33	33	33	0	0
153 University of Toledo	32	32	22	10	0
154 Florida International University	31	31	31	0	0
155 Ohio University	31	31	22	9	0
156 Univ of North Texas Hlth Sci Ctr at Fort	31	0	0	0	31
157 Univ of Texas at Dallas	30	29	24	5	1
158 University of Denver	30	30	22	8	0
159 Univ of North Texas	29	29	29	0	0
160 Utah State University	29	29	27	2	0
Total, 1st 160 institutions	40,519	27,965	24,963	3,002	12,554
161 Mississippi State University	28	27	22	5	1
162 Syracuse University	28	28	25	3	0
163 University of Wisconsin-Milwaukee	27	27	14	13	0
164 Worcester Polytechnic Institute	27	27	7	20	0
165 University of Maine	26	26	20	6	0

See explanatory information, if any, and SOURCE at end of table.

Table 48. Total postdoctoral appointees in doctorate-granting institutions, by area of study, ranked by total postdoctoral appointees: 2000

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Institutional ranking	Total, all surveyed fields	Science and engineering			Health Fields
		Total	Science	Engineering	
166 Albany Medical College	25	25	25	0	0
167 Illinois Institute of Technology	25	25	15	10	0
168 Morehouse School of Medicine	25	25	25	0	0
169 SUNY Upstate Medical University	25	25	25	0	0
170 University of Idaho	25	25	24	1	0
Total, 1st 170 institutions	40,780	28,225	25,165	3,060	12,555
171 University of New Hampshire	24	24	20	4	0
172 University of Nevada Las Vegas	23	23	22	1	0
173 University of South Alabama	23	23	23	0	0
174 Wright State University	23	23	15	8	0
175 Miami University (OH)	21	21	21	0	0
176 Univ of Texas at Arlington	21	21	20	1	0
177 Woods Hole Oceanographic Institution	21	21	19	2	0
178 University of Missouri-St. Louis	20	20	20	0	0
179 East Carolina University	18	18	18	0	0
180 Marquette University	18	18	16	2	0
Total, 1st 180 institutions	40,992	28,437	25,359	3,078	12,555
181 University of Missouri-Rolla	18	18	9	9	0
182 College of William and Mary	17	17	10	7	0
183 Old Dominion University	17	17	12	5	0
184 University of Montana, The	17	13	13	0	4
185 Meharry Medical College	16	16	16	0	0
186 New York Institute of Technology	16	12	2	10	4
187 University of Massachusetts Lowell	16	16	7	9	0
188 University of Tulsa	16	16	6	10	0
189 Brigham Young University	15	15	13	2	0
190 Finch U of Hlth Sci/The Chicago Med Sch	15	15	15	0	0
Total, 1st 190 institutions	41,155	28,592	25,462	3,130	12,563
191 Institute of Paper Science & Technology	15	15	0	15	0
192 Stevens Institute of Technology	15	15	10	5	0
193 University of Southern Mississippi	15	15	15	0	0
194 Wesleyan University	15	15	15	0	0
195 Clark Atlanta University	14	14	14	0	0
196 University of Memphis, The	14	14	9	5	0
197 New Jersey Institute of Technology	13	13	1	12	0
198 Bowling Green State University	12	12	12	0	0
199 Northern Illinois University	12	12	12	0	0
200 University of North Dakota	12	12	12	0	0
Total, 1st 200 institutions	41,292	28,729	25,562	3,167	12,563
201 North Carolina A&T State University	10	10	1	9	0
202 Northern Arizona University	10	10	10	0	0
203 SUNY College of Env Science and Forestry	10	10	7	3	0
204 Eastern Virginia Medical School	9	9	9	0	0
205 Michigan Technological University	9	9	6	3	0
206 Tuskegee University	9	6	5	1	3
207 Univ of Louisiana at Lafayette	9	9	9	0	0
208 Univ of Texas at El Paso	9	9	9	0	0
209 Colorado School of Mines	8	8	3	5	0
210 Jackson State University	8	8	8	0	0
Total, 1st 210 institutions	41,383	28,817	25,629	3,188	12,566
211 Southern Illinois Univ at Carbondale	8	8	8	0	0
212 Creighton University	7	5	5	0	2
213 Florida Atlantic University	7	7	7	0	0
214 Howard University	7	7	5	2	0
215 Kent State University	7	7	7	0	0
216 SUNY College of Optometry	7	0	0	0	7
217 Univ of Puerto Rico Med Sci Campus	7	0	0	0	7
218 Baylor College of Dentistry	6	2	2	0	4
219 CUNY Hunter College	6	6	6	0	0
220 Florida Institute of Technology	6	6	5	1	0

See explanatory information, if any, and SOURCE at end of table.

Table 48. Total postdoctoral appointees in doctorate-granting institutions, by area of study, ranked by total postdoctoral appointees: 2000

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Institutional ranking	Total, all surveyed fields	Science and engineering			Health Fields
		Total	Science	Engineering	
Total, 1st 220 institutions	41,451	28,865	25,674	3,191	12,586
221 Illinois State University	6	6	6	0	0
222 South Dakota State University	6	3	3	0	3
223 Yale University	6	0	0	0	6
224 Baylor University	5	5	5	0	0
225 Cleveland State University	5	5	2	3	0
226 George Mason University	5	5	4	1	0
227 Univ of Puerto Rico Mayaguez Campus	5	5	5	0	0
228 Alfred University	4	4	0	4	0
229 Forest Institute of Professional Psych	4	4	4	0	0
230 Fuller Theological Seminary	4	4	4	0	0
Total, 1st 230 institutions	41,501	28,906	25,707	3,199	12,595
231 Indiana State University	4	4	4	0	0
232 Lamar University	4	4	0	4	0
233 Tennessee State University	4	4	2	2	0
234 Univ of North Carolina at Charlotte	4	4	3	1	0
235 University of South Dakota	4	4	4	0	0
236 Calif State Univ, Long Beach	3	3	3	0	0
237 Mercer University	3	3	3	0	0
238 SUNY at Binghamton	3	3	3	0	0
239 Duquesne University	2	2	2	0	0
240 Kirksville College of Osteopathic Med	2	2	2	0	0
Total, 1st 240 institutions	41,534	28,939	25,733	3,206	12,595
241 Marshall University	2	2	2	0	0
242 Nova Southeastern University	2	2	2	0	0
243 American University	1	1	1	0	0
244 Central Michigan University	1	1	1	0	0
245 Idaho State University	1	1	0	1	0
246 Midwestern University	1	1	1	0	0
247 San Diego State University	1	1	0	1	0
248 Stephen F. Austin State University	1	1	1	0	0
249 University of Dayton	1	1	1	0	0
250 University of the Pacific	1	1	1	0	0
Total, 1st 250 institutions	41,546	28,951	25,743	3,208	12,595
251 Western Michigan University	1	1	1	0	0
252 Wichita State University	1	1	1	0	0
253 Adelphi University	0	0	0	0	0
254 Air Force Institute of Technology	0	0	0	0	0
255 Alabama A&M University	0	0	0	0	0
256 American International College	0	0	0	0	0
257 Andrews University	0	0	0	0	0
258 Antioch University	0	0	0	0	0
259 Arkansas State University	0	0	0	0	0
260 Azusa Pacific University	0	0	0	0	0
Total, 1st 260 institutions	41,548	28,953	25,745	3,208	12,595
261 Ball State University	0	0	0	0	0
262 Biola University	0	0	0	0	0
263 Bryn Mawr College	0	0	0	0	0
264 CUNY Herbert H. Lehman College	0	0	0	0	0
265 Calif Institute of Integral Studies	0	0	0	0	0
266 Calif Sch of Prof Psych-Alameda	0	0	0	0	0
267 Calif Sch of Prof Psych-Fresno	0	0	0	0	0
268 Calif Sch of Prof Psych-Los Angeles	0	0	0	0	0
269 Calif Sch of Prof Psych-San Diego	0	0	0	0	0
270 Caribbean Center for Advanced Studies	0	0	0	0	0
Total, 1st 270 institutions	41,548	28,953	25,745	3,208	12,595
271 Catholic University of America	0	0	0	0	0
272 Charles R. Drew Univ of Medicine & Sci	0	0	0	0	0
273 Chicago School of Prof Psych	0	0	0	0	0
274 Claremont Graduate School	0	0	0	0	0
275 Clark University	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 48. Total postdoctoral appointees in doctorate-granting institutions, by area of study, ranked by total postdoctoral appointees: 2000

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Institutional ranking	Total, all surveyed fields	Science and engineering			Health Fields
		Total	Science	Engineering	
276 DePaul University	0	0	0	0	0
277 Des Moines Univ-Osteopathic Med Ctr	0	0	0	0	0
278 East Tennessee State University	0	0	0	0	0
279 Fairleigh Dickinson University	0	0	0	0	0
280 Fielding Institute, The	0	0	0	0	0
Total, 1st 280 institutions	41,548	28,953	25,745	3,208	12,595
281 Florida A&M University	0	0	0	0	0
282 Fordham University	0	0	0	0	0
283 Golden Gate University	0	0	0	0	0
284 Hampton University	0	0	0	0	0
285 Hofstra University	0	0	0	0	0
286 Indiana University of Pennsylvania	0	0	0	0	0
287 Institute of Textile Technology	0	0	0	0	0
288 James Madison University	0	0	0	0	0
289 Long Island University	0	0	0	0	0
290 Louisiana Tech University	0	0	0	0	0
Total, 1st 290 institutions	41,548	28,953	25,745	3,208	12,595
291 Loyola College	0	0	0	0	0
292 Maharishi University of Management	0	0	0	0	0
293 Mass College of Pharmacy/Allied Health	0	0	0	0	0
294 Medical College of Pennsylvania, The	0	0	0	0	0
295 Middle Tennessee State University	0	0	0	0	0
296 Morgan State University	0	0	0	0	0
297 Mt. Sinai School of Medicine	0	0	0	0	0
298 Naval Postgraduate School	0	0	0	0	0
299 New Mexico Institute of Mining and Tech	0	0	0	0	0
300 New Mexico State University	0	0	0	0	0
Total, 1st 300 institutions	41,548	28,953	25,745	3,208	12,595
301 New School University	0	0	0	0	0
302 Oakland University	0	0	0	0	0
303 Pace University	0	0	0	0	0
304 Pacific Graduate School of Psychology	0	0	0	0	0
305 Pacific University	0	0	0	0	0
306 Pepperdine University	0	0	0	0	0
307 Philadelphia College of Osteopathic Med	0	0	0	0	0
308 Ponce School of Medicine	0	0	0	0	0
309 Pontifical Cath Univ of Puerto Rico, The	0	0	0	0	0
310 Portland State University	0	0	0	0	0
Total, 1st 310 institutions	41,548	28,953	25,745	3,208	12,595
311 RAND Graduate School of Policy Studies	0	0	0	0	0
312 Rochester Institute of Technology	0	0	0	0	0
313 Roosevelt University	0	0	0	0	0
314 SUNY at Albany	0	0	0	0	0
315 SUNY Health Science Center at Brooklyn	0	0	0	0	0
316 Sam Houston State University	0	0	0	0	0
317 Santa Clara University	0	0	0	0	0
318 Seton Hall University	0	0	0	0	0
319 Slippery Rock University of Pennsylvania	0	0	0	0	0
320 Smith College	0	0	0	0	0
Total, 1st 320 institutions	41,548	28,953	25,745	3,208	12,595
321 South Dakota School of Mines and Tech	0	0	0	0	0
322 Southern Methodist University	0	0	0	0	0
323 Southwest Texas State University	0	0	0	0	0
324 Spalding University	0	0	0	0	0
325 St. John's University	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 48. Total postdoctoral appointees in doctorate-granting institutions, by area of study, ranked by total postdoctoral appointees: 2000

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Institutional ranking	Total, all surveyed fields	Science and engineering			Health Fields
		Total	Science	Engineering	
326 Teachers College, Columbia University	0	0	0	0	0
327 Tennessee Technological University	0	0	0	0	0
328 Texas A&M Univ-Commerce	0	0	0	0	0
329 Texas A&M Univ-Kingsville	0	0	0	0	0
330 Texas Christian University	0	0	0	0	0
Total, 1st 330 institutions	41,548	28,953	25,745	3,208	12,595
331 Texas Woman's University	0	0	0	0	0
332 US International University	0	0	0	0	0
333 Union Institute, The	0	0	0	0	0
334 Univ of Louisiana at Monroe, The	0	0	0	0	0
335 Univ of North Carolina at Greensboro	0	0	0	0	0
336 Univ of Puerto Rico Rio Piedras Campus	0	0	0	0	0
337 Univ of Texas at San Antonio	0	0	0	0	0
338 Univ of the Sciences in Philadelphia	0	0	0	0	0
339 University of Alabama in Huntsville, The	0	0	0	0	0
340 University of Alaska Fairbanks	0	0	0	0	0
Total, 1st 340 institutions	41,548	28,953	25,745	3,208	12,595
341 University of Arkansas at Little Rock	0	0	0	0	0
342 University of Bridgeport	0	0	0	0	0
343 University of Calif, Berkeley	0	0	0	0	0
344 University of Central Florida	0	0	0	0	0
345 University of Detroit Mercy	0	0	0	0	0
346 University of Hartford	0	0	0	0	0
347 University of Illinois at Springfield	0	0	0	0	0
348 University of La Verne	0	0	0	0	0
349 University of Maryland, Eastern Shore	0	0	0	0	0
350 University of Massachusetts Dartmouth	0	0	0	0	0
Total, 1st 350 institutions	41,548	28,953	25,745	3,208	12,595
351 University of Nebraska at Omaha	0	0	0	0	0
352 University of Nevada, Reno	0	0	0	0	0
353 University of New England	0	0	0	0	0
354 University of Northern Colorado	0	0	0	0	0
355 University of Northern Iowa	0	0	0	0	0
356 University of San Diego	0	0	0	0	0
357 Villanova University	0	0	0	0	0
358 Walden University	0	0	0	0	0
359 Widener University, All Campuses	0	0	0	0	0
360 Wright Institute	0	0	0	0	0
361 Xavier University of Louisiana	0	0	0	0	0
Total, 1st 361 institutions	41,548	28,953	25,745	3,208	12,595

NOTES: Includes medical schools.

Ties listed in alphabetical order.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 49. Nonfaculty research scientists, engineers, and health professionals with doctorates in doctorate-granting institutions, by detailed field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
Total, all surveyed fields	5,994	6,208	6,517	6,595	6,670	7,038	7,517	7,576
Total, science and engineering fields	4,801	4,980	5,168	5,148	5,204	5,254	5,650	5,587
Sciences, total	3,996	4,155	4,379	4,418	4,356	4,444	4,710	4,740
Physical sciences, total	1,224	1,244	1,374	1,287	1,203	1,080	1,152	1,253
Astronomy	100	151	158	154	144	122	142	167
Chemistry	539	522	538	547	503	481	493	544
Physics	584	569	658	568	554	473	498	514
Physical sciences, n.e.c.	1	2	20	18	2	4	19	28
Earth, atmos., & ocean sci., total	340	363	418	430	427	411	436	486
Atmospheric sciences	40	27	21	46	76	48	41	36
Geosciences	138	198	218	190	147	154	175	217
Oceanography	132	118	152	167	163	172	169	204
Earth, atmos., & ocean sci., n.e.c.	30	20	27	27	41	37	51	29
Mathematical sciences	52	72	93	88	92	88	122	80
Computer sciences	67	48	66	107	87	124	133	153
Agricultural sciences	168	251	228	210	203	156	156	207
Biological sciences, total	1,844	1,846	1,950	1,902	1,966	2,223	2,324	2,142
Anatomy	51	38	47	58	55	40	88	96
Biochemistry	294	270	337	323	331	330	364	349
Biology	327	321	321	318	291	390	237	248
Biometry/epidemiology	36	37	32	26	24	33	40	55
Biophysics	49	54	58	44	54	41	37	17
Botany	97	86	88	66	62	76	90	48
Cell biology	202	177	211	195	198	221	226	92
Ecology	21	14	21	18	20	13	19	11
Entomology/parasitology	74	59	60	51	55	53	60	45
Genetics	67	63	65	79	121	77	86	84
Microbio., immunology, & virology	155	204	184	192	229	214	265	252
Nutrition	56	81	63	56	54	43	59	41
Pathology	114	145	132	136	114	135	149	199
Pharmacology	142	128	170	164	151	288	329	293
Physiology	99	103	115	119	147	167	182	179
Zoology	17	27	13	10	15	18	25	21
Biosciences, n.e.c.	43	39	33	47	45	84	68	112
Psychology	171	203	146	232	200	225	223	285
Social sciences, total	130	128	104	162	178	137	164	134
Agricultural economics	14	15	12	17	27	31	34	15
Anthropology (cultural & social)	43	48	34	34	13	11	18	24
Economics (except agricultural)	3	3	9	16	6	3	7	2
Geography	6	9	4	11	17	14	16	5
Linguistics	5	8	2	4	11	5	7	6
Political science	3	2	6	15	10	3	9	16
Sociology	16	9	11	15	34	27	29	25
Sociology/anthropology	0	0	0	3	5	4	4	3
Social sciences, n.e.c.	40	34	26	47	55	39	40	38
Engineering, total	805	825	789	730	848	810	940	847
Aerospace engineering	69	66	80	86	84	68	87	39
Agricultural engineering	5	23	27	15	19	28	28	24
Biomedical engineering	26	36	26	21	31	34	58	42
Chemical engineering	128	87	70	82	159	149	141	96
Civil engineering	67	54	66	69	66	61	81	123
Electrical engineering	135	159	175	144	168	152	169	145
Engineering science	34	30	37	38	50	49	60	60
Industrial/manufacturing eng.	8	6	3	2	8	5	5	7
Mechanical engineering	116	135	108	108	109	109	127	176
Metallurgical/materials eng	142	139	120	95	83	120	115	83
Nuclear engineering	27	36	32	29	28	4	11	13
Engineering, n.e.c.	48	54	45	41	43	31	58	39
Total, health fields	1,193	1,228	1,349	1,447	1,466	1,784	1,867	1,989
Clinical fields	718	786	898	947	972	1,234	1,277	1,414
Dental sciences	27	17	18	14	54	45	37	28
Nursing	5	8	7	15	16	12	2	13
Pharmaceutical sciences	115	101	117	99	97	98	114	129
Preventive medicine/community health	95	105	90	118	79	102	115	125
Speech pathology/audiology	13	12	20	14	13	26	13	4
Veterinary sciences	45	60	56	70	63	70	72	81
Other health fields	175	139	143	170	172	197	237	195

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 50. Graduate students in science, engineering, and health fields in historically black colleges and universities (HBCUs), by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

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Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, all surveyed fields	5,746	12	145	4,134	65	121	727	542
Total, science and engineering fields	4,848	5	125	3,563	48	110	465	532
Sciences, total	4,247	5	93	3,219	37	90	407	396
Physical sciences, total	299	0	15	186	5	11	20	62
Astronomy	0	0	0	0	0	0	0	0
Chemistry	179	0	12	104	3	11	6	43
Physics	120	0	3	82	2	0	14	19
Physical sciences, n.e.c.	0	0	0	0	0	0	0	0
Earth, atmos., & ocean sci., total	83	2	0	57	2	0	16	6
Atmospheric sciences	13	0	0	12	0	0	0	1
Geosciences	0	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0	0
Earth, atmos., & ocean sci., n.e.c.	70	2	0	45	2	0	16	5
Mathematical sciences	145	0	0	120	2	2	17	4
Computer sciences	436	0	40	161	2	36	28	169
Agricultural sciences	172	0	1	113	3	10	33	12
Biological sciences, total	644	0	19	540	2	12	26	45
Anatomy	4	0	0	1	0	2	1	0
Biochemistry	30	0	1	20	0	0	0	9
Biology	303	0	4	277	1	0	14	7
Biometry/epidemiology	0	0	0	0	0	0	0	0
Biophysics	0	0	0	0	0	0	0	0
Botany	22	0	0	22	0	0	0	0
Cell biology	0	0	0	0	0	0	0	0
Ecology	0	0	0	0	0	0	0	0
Entomology/parasitology	0	0	0	0	0	0	0	0
Genetics	26	0	1	19	1	0	2	3
Microbio., immunology, & virology	52	0	4	39	0	4	2	3
Nutrition	60	0	3	41	0	0	2	14
Pathology	0	0	0	0	0	0	0	0
Pharmacology	48	0	2	38	0	6	1	1
Physiology	37	0	1	32	0	0	1	3
Zoology	0	0	0	0	0	0	0	0
Biosciences, n.e.c.	62	0	3	51	0	0	3	5
Psychology	895	2	8	705	14	6	148	12
Social sciences, total	1,573	1	10	1,337	7	13	119	86
Agricultural economics	44	0	1	31	0	0	9	3
Anthropology (cultural & social)	0	0	0	0	0	0	0	0
Economics (except agricultural)	50	0	0	15	0	0	0	35
Geography	0	0	0	0	0	0	0	0
Linguistics	0	0	0	0	0	0	0	0
Political science	755	0	3	644	2	12	62	32
Sociology	175	1	1	167	0	0	4	2
Sociology/anthropology	71	0	2	60	1	0	2	6
Social sciences, n.e.c.	478	0	3	420	4	1	42	8
Engineering, total	601	0	32	344	11	20	58	136
Aerospace engineering	0	0	0	0	0	0	0	0
Agricultural engineering	4	0	0	1	1	0	0	2
Biomedical engineering	0	0	0	0	0	0	0	0
Chemical engineering	32	0	8	21	0	0	3	0
Civil engineering	110	0	5	65	5	5	24	6
Electrical engineering	99	0	0	61	0	12	1	25
Engineering science	0	0	0	0	0	0	0	0
Industrial/manufacturing eng.	75	0	0	57	2	1	5	10
Mechanical engineering	95	0	1	51	0	2	5	36
Metallurgical/materials eng.	12	0	0	11	0	0	0	1
Nuclear engineering	0	0	0	0	0	0	0	0
Engineering, n.e.c.	174	0	18	77	3	0	20	56

See explanatory information, if any, and SOURCE at end of table.

Table 50. Graduate students in science, engineering, and health fields in historically black colleges and universities (HBCUs), by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2000

Page 2 of 2

Field	Total	U.S. citizens and permanent residents						Students with temporary visas
		American Indian/ Alaskan Native	Asian/ Pacific Islander	Black non-Hispanic	Hispanic	Other or unknown	White non-Hispanic	
Total, health fields	898	7	20	571	17	11	262	10
Clinical fields	110	1	0	16	1	0	92	0
Dental sciences	0	0	0	0	0	0	0	0
Nursing	190	2	1	158	2	0	27	0
Pharmaceutical sciences	164	0	13	126	7	4	14	0
Preventive medicine/community health	49	0	0	48	0	0	1	0
Speech pathology/audiology	288	4	3	168	4	7	92	10
Veterinary sciences	23	0	1	21	0	0	1	0
Other health fields	74	0	2	34	3	0	35	0

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 51. Black, non-Hispanic U.S. citizen and permanent resident graduate students in science, engineering, and health fields in all institutions and historically black colleges and universities (HBCUs), by field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
	Black students in all institutions							
Total, all surveyed fields	20,434	21,175	22,154	22,975	23,561	24,261	25,260	26,078
Total, science and eng. fields	17,111	17,610	18,285	19,066	19,341	19,649	20,330	20,973
Sciences, total	14,550	14,826	15,428	16,167	16,462	16,828	17,365	17,972
Physical sciences	844	856	897	986	952	913	903	916
Earth, atmos., & ocean sciences	223	202	215	219	203	202	213	220
Mathematical sciences	710	673	689	711	657	613	594	569
Computer sciences	1,167	1,182	1,155	1,276	1,300	1,355	1,501	1,533
Agricultural sciences	237	240	297	270	230	313	277	266
Biological sciences	1,732	1,709	1,882	2,008	2,163	2,171	2,244	2,264
Psychology	3,284	3,529	3,359	3,452	3,644	3,813	3,787	4,263
Social sciences	6,353	6,435	6,934	7,245	7,313	7,448	7,846	7,941
Engineering	2,561	2,784	2,857	2,899	2,879	2,821	2,965	3,001
Health fields	3,323	3,565	3,869	3,909	4,220	4,612	4,930	5,105
	Black students in HBCUs							
Total, all surveyed fields	2,627	2,982	3,189	3,384	3,632	3,528	3,746	4,134
Total, science and eng. fields	2,433	2,768	2,906	3,174	3,279	3,082	3,233	3,563
Sciences, total	2,221	2,515	2,612	2,883	2,995	2,799	2,939	3,219
Physical sciences	211	231	253	279	286	229	179	186
Earth, atmos., & ocean sciences	42	30	38	34	43	40	36	57
Mathematical sciences	169	155	139	157	128	107	129	120
Computer sciences	190	227	210	217	219	199	216	161
Agricultural sciences	84	102	130	111	88	137	155	113
Biological sciences	403	453	492	543	593	563	572	540
Psychology	428	489	413	430	490	399	451	705
Social sciences	694	828	937	1,112	1,148	1,125	1,201	1,337
Engineering	212	253	294	291	284	283	294	344
Health fields	194	214	283	210	353	446	513	571
	Percent of black students in HBCUs							
Total, all surveyed fields	12.9	14.1	14.4	14.7	15.4	14.5	14.8	15.9
Total, science and eng. fields	14.3	15.7	15.9	16.6	17.0	15.7	15.9	17.0
Sciences, total	15.4	17.0	16.9	17.8	18.2	16.6	16.9	17.9
Physical sciences	24.9	27.0	28.2	28.3	30.0	25.1	19.8	20.3
Earth, atmos., & ocean sciences	18.8	14.9	17.7	15.5	21.2	19.8	16.9	25.9
Mathematical sciences	25.9	23.0	20.2	22.1	19.5	17.5	21.7	21.1
Computer sciences	16.3	19.2	18.2	17.0	16.8	14.7	14.4	10.5
Agricultural sciences	40.7	42.5	43.8	41.1	38.3	43.8	56.0	42.5
Biological sciences	23.2	26.5	26.1	27.0	27.4	25.9	25.5	23.9
Psychology	12.8	13.9	12.3	12.5	13.4	10.5	11.9	16.5
Social sciences	10.9	12.9	13.5	15.3	15.7	15.1	15.3	16.8
Engineering	8.2	9.1	10.3	10.0	9.9	10.0	9.9	11.5
Health fields	5.8	6.0	7.3	5.4	8.4	9.7	10.4	11.2

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorales in Science and Engineering

Table 52. Black, non-Hispanic U.S. citizen and permanent resident graduate students in science, engineering, and health fields in all institutions and historically black colleges and universities (HBCUs), by field and sex: 1995-2000

Field	Men						Women					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
	Black students in all institutions											
Total, all surveyed fields	8,932	8,971	9,115	9,245	9,553	9,352	13,222	14,004	14,446	15,016	15,707	16,726
Total, science and engineering fields	8,210	8,247	8,329	8,320	8,587	8,359	10,075	10,819	11,012	11,329	11,743	12,614
Sciences, total	6,253	6,292	6,366	6,378	6,598	6,392	9,175	9,875	10,096	10,450	10,767	11,580
Physical sciences	529	550	508	481	501	493	368	436	444	432	402	423
Earth, atmos., & ocean sciences	116	115	105	103	112	120	99	104	98	99	101	100
Mathematical sciences	385	368	347	339	324	294	304	343	310	274	270	275
Computer sciences	652	716	765	764	824	855	503	560	535	591	677	678
Agricultural sciences	151	131	104	149	135	118	146	139	126	164	142	148
Biological sciences	690	721	777	783	781	774	1,192	1,287	1,386	1,388	1,463	1,490
Psychology	817	808	908	887	915	882	2,542	2,644	2,736	2,926	2,872	3,381
Social sciences	2,913	2,883	2,852	2,872	3,006	2,856	4,021	4,362	4,461	4,576	4,840	5,085
Engineering	1,957	1,955	1,963	1,942	1,989	1,967	900	944	916	879	976	1,034
Health fields	722	724	786	925	966	993	3,147	3,185	3,434	3,687	3,964	4,112
	Black students in HBCUs											
Total, all surveyed fields	1,331	1,383	1,462	1,340	1,477	1,435	1,858	2,001	2,170	2,188	2,269	2,699
Total, science and engineering fields	1,273	1,343	1,396	1,237	1,368	1,323	1,633	1,831	1,883	1,845	1,865	2,240
Sciences, total	1,078	1,152	1,201	1,047	1,190	1,131	1,534	1,731	1,794	1,752	1,749	2,088
Physical sciences	145	161	151	114	94	104	108	118	135	115	85	82
Earth, atmos., & ocean sciences	16	14	17	20	21	31	22	20	26	20	15	26
Mathematical sciences	79	80	71	57	66	58	60	77	57	50	63	62
Computer sciences	92	105	117	107	107	89	118	112	102	92	109	72
Agricultural sciences	57	54	42	60	76	48	73	57	46	77	79	65
Biological sciences	194	202	218	185	190	170	298	341	375	378	382	370
Psychology	114	108	171	97	125	118	299	322	319	302	326	587
Social sciences	381	428	414	407	511	513	556	684	734	718	690	824
Engineering	195	191	195	190	178	192	99	100	89	93	116	152
Health fields	58	40	66	103	109	112	225	170	287	343	404	459
	Percent of black students in HBCUs											
Total, all surveyed fields	14.9	15.4	16.0	14.5	15.5	15.3	14.1	14.3	15.0	14.6	14.4	16.1
Total, science and engineering fields	15.5	16.3	16.8	14.9	15.9	15.8	16.2	16.9	17.1	16.3	15.9	17.8
Sciences, total	17.2	18.3	18.9	16.4	18.0	17.7	16.7	17.5	17.8	16.8	16.2	18.0
Physical sciences	27.4	29.3	29.7	23.7	18.8	21.1	29.3	27.1	30.4	26.6	21.1	19.4
Earth, atmos., & ocean sciences	13.8	12.2	16.2	19.4	18.8	25.8	22.2	19.2	26.5	20.2	14.9	26.0
Mathematical sciences	20.5	21.7	20.5	16.8	20.4	19.7	19.7	22.4	18.4	18.2	23.3	22.5
Computer sciences	14.1	14.7	15.3	14.0	13.0	10.4	23.5	20.0	19.1	15.6	16.1	10.6
Agricultural sciences	37.7	41.2	40.4	40.3	56.3	40.7	50.0	41.0	36.5	47.0	55.6	43.9
Biological sciences	28.1	28.0	28.1	23.6	24.3	22.0	25.0	26.5	27.1	27.2	26.1	24.8
Psychology	14.0	13.4	18.8	10.9	13.7	13.4	11.8	12.2	11.7	10.3	11.4	17.4
Social sciences	13.1	14.8	14.5	14.2	17.0	18.0	13.8	15.7	16.5	15.7	14.3	16.2
Engineering	10.0	9.8	9.9	9.8	8.9	9.8	11.0	10.6	9.7	10.6	11.9	14.7
Health fields	8.0	5.5	8.4	11.1	11.3	11.3	7.1	5.3	8.4	9.3	10.2	11.2

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 53. Full-time black, non-Hispanic U.S. citizen and permanent resident graduate students in science, engineering, and health fields in all institutions and historically black colleges and universities (HBCUs), by field: 1993-2000

Field	1993	1994	1995	1996	1997	1998	1999	2000
	Black students in all institutions							
Total, all surveyed fields	11,385	11,965	12,506	12,992	13,568	13,782	13,973	15,059
Total, science and eng. fields	9,899	10,345	10,668	10,983	11,401	11,299	11,223	12,114
Sciences, total	8,408	8,642	8,977	9,318	9,727	9,721	9,617	10,399
Physical sciences	690	709	729	769	741	728	700	691
Earth, atmos., & ocean sciences	142	129	135	128	137	134	137	158
Mathematical sciences	411	412	423	422	386	355	342	344
Computer sciences	460	465	485	475	494	476	540	609
Agricultural sciences	161	162	227	194	175	208	202	218
Biological sciences	1,346	1,372	1,451	1,513	1,727	1,651	1,700	1,745
Psychology	1,854	2,046	2,028	2,084	2,221	2,417	2,211	2,599
Social sciences	3,344	3,347	3,499	3,733	3,846	3,752	3,785	4,035
Engineering	1,491	1,703	1,691	1,665	1,674	1,578	1,606	1,715
Health fields	1,486	1,620	1,838	2,009	2,167	2,483	2,750	2,945
	Black students in HBCUs							
Total, all surveyed fields	1,604	1,951	2,004	2,086	2,308	2,184	2,288	2,682
Total, science and eng. fields	1,484	1,807	1,841	1,954	2,070	1,871	1,917	2,270
Sciences, total	1,300	1,588	1,591	1,735	1,849	1,665	1,697	1,990
Physical sciences	178	188	198	217	215	185	145	139
Earth, atmos., & ocean sciences	24	15	8	9	22	17	13	36
Mathematical sciences	106	98	89	99	79	67	80	75
Computer sciences	93	113	92	90	114	80	109	110
Agricultural sciences	32	46	92	67	69	98	110	92
Biological sciences	333	375	380	419	470	409	430	438
Psychology	193	284	262	259	287	254	194	282
Social sciences	341	469	470	575	593	555	616	818
Engineering	184	219	250	219	221	206	220	280
Health fields	120	144	163	132	238	313	371	412
	Percent of black students in HBCUs							
Total, all surveyed fields	14.2	16.3	16.0	16.1	17.0	15.8	16.4	17.8
Total, science and eng. fields	15.2	17.5	17.3	17.8	18.2	16.6	17.1	18.7
Sciences, total	15.7	18.4	17.7	18.6	19.0	17.1	17.6	19.1
Physical sciences	25.6	26.5	27.2	28.2	29.0	25.4	20.7	20.1
Earth, atmos., & ocean sciences	16.9	11.6	5.9	7.0	16.1	12.7	9.5	22.8
Mathematical sciences	29.2	23.8	21.0	23.5	20.5	18.9	23.4	21.8
Computer sciences	20.2	24.3	19.0	18.9	23.1	16.8	20.2	18.1
Agricultural sciences	26.3	28.4	40.5	34.5	39.4	47.1	54.5	42.2
Biological sciences	24.6	27.3	26.2	27.7	27.2	24.8	25.3	25.1
Psychology	10.2	13.9	12.9	12.4	12.9	10.5	8.8	10.9
Social sciences	10.1	14.0	13.4	15.4	15.4	14.8	16.3	20.3
Engineering	12.2	12.9	14.8	13.2	13.2	13.1	13.7	16.3
Health fields	8.0	8.9	8.9	6.6	11.0	12.6	13.5	14.0

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

Table 54. Full-time black, non-Hispanic U.S. citizen and permanent resident graduate students in science, engineering, and health fields in all institutions and historically black colleges and universities (HBCUs), by field and sex: 1995-2000

Field	Men						Women					
	1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
	Black students in all institutions											
Total, all surveyed fields	5,212	5,242	5,376	5,313	5,310	5,430	7,294	7,750	8,192	8,469	8,663	9,629
Total, science and engineering fields	4,807	4,783	4,895	4,736	4,724	4,820	5,861	6,200	6,506	6,563	6,499	7,294
Sciences, total	3,691	3,691	3,779	3,702	3,690	3,760	5,286	5,627	5,948	6,019	5,927	6,639
Physical sciences	434	441	393	390	390	378	295	328	348	338	310	313
Earth, atmos., & ocean sciences	78	67	71	67	63	83	57	61	66	67	74	75
Mathematical sciences	242	221	208	206	188	177	181	201	178	149	154	167
Computer sciences	285	281	309	269	306	345	200	194	185	207	234	264
Agricultural sciences	105	83	82	88	95	92	122	111	93	120	107	126
Biological sciences	543	561	631	611	595	621	908	952	1,096	1,040	1,105	1,124
Psychology	489	495	539	563	530	548	1,539	1,589	1,682	1,854	1,681	2,051
Social sciences	1,515	1,542	1,546	1,508	1,523	1,516	1,984	2,191	2,300	2,244	2,262	2,519
Engineering	1,116	1,092	1,116	1,034	1,034	1,060	575	573	558	544	572	655
Health fields	405	459	481	577	586	610	1,433	1,550	1,686	1,906	2,164	2,335
	Black students in HBCUs											
Total, all surveyed fields	848	865	941	836	946	993	1,156	1,221	1,367	1,348	1,342	1,689
Total, science and engineering fields	825	846	905	767	865	905	1,016	1,108	1,165	1,104	1,052	1,365
Sciences, total	662	707	755	622	725	752	929	1,028	1,094	1,043	972	1,238
Physical sciences	117	129	113	96	80	83	81	88	102	89	65	56
Earth, atmos., & ocean sciences	6	5	9	8	7	21	2	4	13	9	6	15
Mathematical sciences	51	51	45	41	45	36	38	48	34	26	35	39
Computer sciences	40	52	70	41	54	59	52	38	44	39	55	51
Agricultural sciences	35	30	34	38	54	37	57	37	35	60	56	55
Biological sciences	148	158	179	134	134	143	232	261	291	275	296	295
Psychology	63	58	77	63	48	47	199	201	210	191	146	235
Social sciences	202	224	228	201	303	326	268	351	365	354	313	492
Engineering	163	139	150	145	140	153	87	80	71	61	80	127
Health fields	23	19	36	69	81	88	140	113	202	244	290	324
	Percent of black students in HBCUs											
Total, all surveyed fields	16.3	16.5	17.5	15.7	17.8	18.3	15.8	15.8	16.7	15.9	15.5	17.5
Total, science and engineering fields	17.2	17.7	18.5	16.2	18.3	18.8	17.3	17.9	17.9	16.8	16.2	18.7
Sciences, total	17.9	19.2	20.0	16.8	19.6	20.0	17.6	18.3	18.4	17.3	16.4	18.6
Physical sciences	27.0	29.3	28.8	24.6	20.5	22.0	27.5	26.8	29.3	26.3	21.0	17.9
Earth, atmos., & ocean sciences	7.7	7.5	12.7	11.9	11.1	25.3	3.5	6.6	19.7	13.4	8.1	20.0
Mathematical sciences	21.1	23.1	21.6	19.9	23.9	20.3	21.0	23.9	19.1	17.4	22.7	23.4
Computer sciences	14.0	18.5	22.7	15.2	17.6	17.1	26.0	19.6	23.8	18.8	23.5	19.3
Agricultural sciences	33.3	36.1	41.5	43.2	56.8	40.2	46.7	33.3	37.6	50.0	52.3	43.7
Biological sciences	27.3	28.2	28.4	21.9	22.5	23.0	25.6	27.4	26.6	26.4	26.8	26.2
Psychology	12.9	11.7	14.3	11.2	9.1	8.6	12.9	12.6	12.5	10.3	8.7	11.5
Social sciences	13.3	14.5	14.7	13.3	19.9	21.5	13.5	16.0	15.9	15.8	13.8	19.5
Engineering	14.6	12.7	13.4	14.0	13.5	14.4	15.1	14.0	12.7	11.2	14.0	19.4
Health fields	5.7	4.1	7.5	12.0	13.8	14.4	9.8	7.3	12.0	12.8	13.4	13.9

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering

SURVEY MATERIALS

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Survey of Graduate Students and Postdoctorates in Science and Engineering, Fall 2000: Department or Program Data Sheet (NSF Form 812) 151

Crosswalk between NSF discipline codes and the NCES Classification of Instructional Programs 153

INSTRUCTIONS

FOR THE NSF-NIH SURVEY OF GRADUATE STUDENTS AND POSTDOCTORATES IN SCIENCE AND ENGINEERING, FALL 2000

PURPOSE OF THE SURVEY

The survey provides a comprehensive picture of the training of future scientists and engineers in the Nation's graduate schools. Data are used by Congress and the executive branch during budget preparation, and by state government agencies and other analysts to assess the future supply of science and engineering (S&E) personnel.

This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. All information provided will be used for statistical purposes only. Response is entirely voluntary and failure to provide some or all of the information will in no way adversely affect your institution.

The average time required for questionnaire completion is 2 hours. Response burden comments should be directed to Suzanne Plimpton at (703) 292-7756, ext. 2017.

Students Included in This Survey

Count as graduate students persons enrolled **for credit** in any S&E master's or Ph.D. degree program in fall 2000. Report M.D., D.O., D.V.M., or D.D.S. candidates, interns, and residents in items 5 through 7 **only** if they are concurrently working for an S&E master's or Ph.D. degree or are enrolled in a joint medical/Ph.D. program. Individuals who already hold graduate or medical degrees and are working on another master's or Ph.D. degree are considered graduate students (items 5 through 7), not postdoctorates (item 8).

Include S&E students performing thesis or dissertation research away from the campus (for example, at Government- and contractor-owned facilities) in the United States as long as they are enrolled for credit in an advanced-degree program.

All data should be reported in terms of headcounts, not full-time equivalents (FTEs).

Students Excluded From This Survey

Exclude students enrolled in a foreign country (at a branch or extension center), and non-matriculated students.

Students Enrolled in Multiple Departments/Institutions

A student should be reported in only **one** department. Students enrolled in interdisciplinary/interinstitutional programs should be counted only once, by their "home" department and institution.

INCOMPLETE DATA

Please write "unavailable" or "unknown" in data cells as applicable. On this form, "N/A" means "not applicable." Data cells left blank are presumed to be zeroes.

ITEM 5: FULL-TIME STUDENTS

Report the total number of full-time degree-seeking students in line (6), column (M). Then, in lines (1) through (6), count each full-time student **only once** by **largest** source of support so that all columns and rows in item 5 sum to the full-time total in line (6), column (M). In item 5, count only graduate students pursuing an S&E degree according to a full-time schedule; this may include any combination of study, teaching, and research, depending on your institution's policy and definition of full-time status. For example, many institutions base full-time status on the number of credit hours taken; others calculate full-time according to the amount of fees paid by the student.

Mechanisms of Support—Lines (1) Through (5)

A **fellowship,** line (1), is any competitive award (often from a national competition) made to a student that requires no work of the recipient. A **traineeship,** line (2), is an educational award given to a student selected by the institution. An **assistantship** should be classified as **research,** line (3), or **teaching,** line (4), depending on assigned duties; e.g., a student devoting most of his or her time to teaching should be reported on line (4). All other full-time students, including members of the Armed Forces whose tuition is paid by the Department of Defense, and self-supported students, should be reported on line (5).

Federal Sources of Support—Columns (A) Through (H)

Department of Defense (DoD)—Column (A): Sources include the Departments of the Army, Navy, or Air Force, as well as programs within the Office of the Secretary of Defense. Students receiving their main support from the Veterans Administration under the G.I. Bill should be reported under column (H), "Other Federal sources."

Department of Health and Human Services (HHS)—Columns (B) and (C): Report students with support from the institutes or divisions of the National Institutes of Health (NIH) under column (B); report support from all other components of HHS in column (C). Refer to the organizational roster under "Definitions."

National Science Foundation (NSF)—Column (D): Report students receiving NSF graduate fellowships , as well as those supported under NSF research grants.

U.S. Department of Agriculture (USDA)—Column (E): Include research assistants working on projects financed out of Hatch, McIntyre-Stennis, or Smith-Lever formula funds, competitive research grants, and institution fellowship/training grants.

National Aeronautics and Space Administration (NASA)—Column (F): Report students with support from this agency.

Department of Energy (DOE)—Column (G): Report students receiving support under DOE research grants, including those supported by grants at national laboratories.

Other Federal Sources—Column (H): Report students receiving support from Federal agencies other than those listed in columns (A) through (G), such as the Fulbright program, the G.I. Bill, and Department of Education programs. Students primarily supported by Federal loans should be reported in column (L), "Self-supported students."

Non-Federal Sources of Support—Cols. (I) Through (L)

Institutional support—Column (I): Report students supported from YOUR institution, including those receiving tuition waivers. State and local government support should also be reported in this column. Students primarily supported with funds from the Federal Government, such as training grants, however, should be reported under the appropriate Federal agency.

Foreign sources—Column (J): Report students supported from any non-U.S. source, such as foreign governments, industrial firms, or specialized agencies of the United Nations.

Other U.S. sources—Column (K): Report students supported from nonprofit institutions, private industry, and all other non-Federal U.S. sources not included in columns (I) or (J).

Self-supported students—Column (L): Report both foreign and U.S. citizen students whose largest source of support comes from ANY loans (including Federal loans) or from personal or family financial contributions. **These students must be included in the full-time total, line (6), column (M).**

Women—Line (7)

Report all full-time female students by the source of their primary support. The total number of full-time women should be reported in line (7), column (M).

In each column, data on line (7) should not exceed the total on line (6).

ITEM 6: PART-TIME STUDENTS

Report all part-time students in item 6, regardless of their source of support, by racial/ethnic category (see instructions for item 7). Part-time students are pursuing an S&E graduate degree but NOT on a full-time schedule. Consider students part-time according to your own institution's definition of part-time status.

ITEM 7: CITIZENSHIP AND RACIAL/ETHNIC BACKGROUND OF U.S. CITIZENS AND PERMANENT RESIDENTS

Report all U.S. citizens and permanent residents in columns (A) through (I), and count each student only once according to his or her racial/ethnic category as defined by the Office of Management and Budget, listed under "Definitions (3)."

Count foreign students, i.e., those holding temporary visas, only **once** in column (J), regardless of race/ethnicity. Native residents of a U.S. possession and applicants for U.S. citizenship holding green cards, however, should be reported as U.S. citizens.

In compliance with the new format, please record, under the One Race Only: Non-Hispanic header, columns A through E, those U.S. citizen or permanent resident students who have reported themselves in only one of the following categories: non-Hispanic Black/African American, non-Hispanic American Indian or Alaska Native, non-Hispanic Asian American, non-Hispanic Native Hawaiian/Pacific Islander, or non-Hispanic White. Under the header One Race Only: Hispanic, column F, please record those U.S. citizens and permanent residents who have reported themselves as Hispanic and either no race or only one race (Black/African American, American Indian or Alaska Native, Asian, Native Hawaiian/Pacific Islander, or White). If you allow students to report multiple races and they are U.S. citizens or permanent residents, please record them in columns G and H. If students have reported themselves as Hispanic and two or more of the racial categories, please record them in column G, More Than One Race Reported, Hispanic. Students who are non-Hispanic but are two or more races should be recorded in column H, More Than One Race Reported, non-Hispanic. Record students who are U.S. citizens or permanent residents but have an unknown race or ethnicity in column I. Finally, record all of those students who are on temporary visas in column J regardless of their race or ethnicity.

Total full-time enrollment reported in item 7 should match that reported in item 5.

First-Time Full-Time Students—Lines (4) and (5)

A first-time student has enrolled in the program in which he or she is pursuing a degree as of the beginning of the fall term in 2000. All other students should be considered to be beyond their first time of enrollment.

ITEM 8: POSTDOCTORATES AND NONFACULTY RESEARCH STAFF WITH DOCTORATES

Postdoctorates—Columns (A) through (F): Include individuals with science and engineering Ph.D.'s, M.D.'s, D.D.S.'s, or D.V.M.'s (including foreign degrees equivalent to U.S. doctorates) who devote their **primary effort to their own research training through research activities or study** in the department under temporary appointments carrying no academic rank. These individuals may contribute to the academic program through seminars, lectures, or working with graduate students. Such postdoctorates may have different titles at different institutions, e.g., "Postdoctoral Scholar," "Research Associate," "Postdoctoral Fellow," or "Postgraduate Researcher." Exclude, however, clinical fellows and those with appointments in residency training programs in medical and health professions, **unless research training under the supervision of a senior mentor is the primary purpose** of the appointment.

Report postdoctorates by source of support in columns (A) through (D), with the total number of postdoctorates reported in column (E). Of this total, report the number who are foreign in column (F).

Other non-faculty research staff with doctorates—Column (G): Include all doctoral scientists and engineers who are involved principally in research activities but are not considered either postdoctoral appointees or members of the regular faculty.

On line (2), report the number of women in each category. On line (3), report those postdoctorates and nonfaculty research staff who hold first professional medical degrees (M.D., D.O., D.D.S., D.V.M.). Please note that in each column, data on lines (2) and (3) should not exceed the total on line (1).

DEFINITIONS

(1) NATIONAL INSTITUTES OF HEALTH ORGANIZATIONAL ROSTER

—Item 5, column (B)

Fogarty International Center
National Cancer Institute
National Center for Human Genome Research
National Center for Nursing Research
National Center for Research Resources
National Eye Institute
National Heart, Lung, and Blood Institute
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Child Health and Human Development
National Institute of Dental Research
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute of Environmental Health Sciences
National Institute of General Medical Sciences
National Institute of Mental Health
National Institute of Neurological Disorders and Stroke
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute on Deafness and Other Communication Disorders
National Institute on Drug Abuse
National Library of Medicine

(2) OTHER HHS ADMINISTRATIVE UNITS

—Item 5, column (C)

Substance Abuse and Mental Health Services Administration
(Please note that the former Alcohol, Drug Abuse and Mental Health Administration institutes are now part of the National Institutes of Health.)
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health
Food and Drug Administration
Health Resources and Services Administration

(3) RACIAL/ETHNIC CATEGORIES FOR U.S. CITIZENS AND PERMANENT RESIDENTS DEFINED BY THE OFFICE OF MANAGEMENT AND BUDGET

—Item 7

Black or African American: A person having origins in any of the black racial groups of Africa.

American Indian or Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.

Asian American: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent; for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Samoa, Thailand, and Vietnam.

Native Hawaiian or Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, or other Pacific islands.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

Hispanic or Latino: A person of of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.

More Than One Race Reported: Students reporting two or more of the race/ethnicity categories above.

FOR FURTHER INFORMATION . . .

If you have any questions about this survey, please contact Ms. Brandy McLachlan or Mr. Dan Tran of QRC Division of Macro International Inc. by telephone at (301) 657-3077, ext. 157 or 313, respectively, or by email at gss@qrc.com.

UPON COMPLETING THIS FORM, PLEASE RETURN IT TO YOUR SURVEY COORDINATOR FOR TRANSMITTAL BY JANUARY 31, 2001.

NSF Form 812 Oct 2000

NATIONAL SCIENCE FOUNDATION and NATIONAL INSTITUTES OF HEALTH

Survey of Graduate Students and Postdoctorates in Science and Engineering, Fall 2000

DEPARTMENT OR PROGRAM DATA SHEET

Form approved
OMB No. 3145-0062
Appr. Exp. 9/30/2002

Due date: January 31, 2001

ITEMS 1-4. IDENTIFYING INFORMATION

1. Institution name: ______________________
2. Name of S&E department or program: ______________________

If changed since last year, please indicate previous name and whether this represents a merger, split, or expanded program: ______________________

3. Person in department or program preparing this form:

Name: ______________________

Title: ______________________

Phone: (_____) ______________________

Email address: ______________________

Institution and department code (LEAVE BLANK)

4. Highest **graduate** degree available in this department or program (CHECK ONE): (1) Ph.D.[1] ☐ (2) Master's ☐ (3) No Ph.D.[1] or Master's degree offered ☐

Report all data on a headcount basis (use whole numbers, *not* fractions, decimals, FTEs, etc.). If your department does not enroll graduate students, please go to item 8.

ITEM 5. NUMBER OF **FULL-TIME** GRADUATE STUDENTS enrolled for advanced degrees (master's and doctoral) in fall 2000. Report each student **only once** according to the source and mechanism of the **largest amount of support** received in fall 2000.

Students receiving equal support from multiple sources or through multiple mechanisms should be reported only once. When determining the largest source of support, consider **all** graduate school academic expenses including tuition, tuition remission, and stipends.

MECHANISMS OF SUPPORT	Line	STUDENTS RECEIVING FINANCIAL ASSISTANCE											SELF-SUPPORTED STUDENTS (including loans and family sources) (L)	TOTAL FULL-TIME GRADUATE ENROLL-MENT (Sum of (A) through (L)) (M)
		FEDERAL SOURCES (excluding loans)								NON-FEDERAL SOURCES				
			HHS											
		Department of Defense (A)	National Institutes of Health (B)	Other HHS (C)	National Science Foundation (D)	Department of Agriculture (E)	NASA (F)	Department of Energy (G)	Other Federal sources (H)	Institutional support (including state & local government) (I)	Foreign sources (J)	Other U.S. sources (K)		
Graduate Fellowships	(1)												■	
Graduate Traineeships	(2)												■	
Graduate Research Assistantships	(3)												■	
Graduate Teaching Assistantships	(4)	■									■		■	
Other Types of Support	(5)													
FULL-TIME TOTAL[2]	(6)													
Of the students in line (6), how many in each data cell are WOMEN?[3]	(7)													

---

[1] Or Ph.D. equivalent such as Sc.D. and D.Eng., but not Ed.D., M.D., or other professional degree

[2] The total from line (6) should be inserted in item 7, line (3), column (K).

[3] The total from line (7) should be inserted in item 7, line (2), column (K).

ITEM 6. RACE/ ETHNICITY of PART-TIME graduate students in fall 2000, by sex	How many students belong to the following RACIAL/ETHNIC categories? In each line, count each student only once.		U.S. CITIZENS AND PERMANENT RESIDENTS									**FOREIGN**	**TOTAL**
			ONE RACE ONLY: Non-Hispanic/Latino					ONE RACE ONLY	MORE THAN ONE RACE		Unknown or did not state	Temporary visa holders	(Sum of A through J)
			Black/ African American (A)	Amer. Indian or Alaska Native (B)	Asian American (C)	Native Hawaiian/ Pacific Islander (D)	White (E)	Hispanic/ Latino (F)	Hispanic/ Latino (G)	Non-Hispanic/ Latino (H)	(I)	(J)	(K)
	MEN ENROLLED PART TIME	(1)											
	WOMEN ENROLLED PART TIME	(2)											
	PART TIME, TOTAL	(3)											

ITEM 7. RACE/ ETHNICITY of FULL-TIME (Item 5) graduate students in fall 2000, by sex	MEN ENROLLED FULL TIME	(1)											
	WOMEN ENROLLED FULL TIME (column (K) should equal Item 5, line (7), column (M))	(2)											
	FULL TIME, TOTAL (column (K) should equal Item 5, line (6), column (M))	(3)											
	Of the full-time students on line (3), how many are FIRST TIME?												
	Of the first-time students on line (4), how many are WOMEN?												

ITEM 8. NUMBER OF POSTDOCTORATES AND NON-FACULTY RESEARCH STAFF WITH DOCTORATES in fall 2000.		POSTDOCTORATES						OTHER NON-FACULTY RESEARCH STAFF WITH DOCTORATES (G)
		SOURCE OF SUPPORT				TOTAL for all sources (A) through (D) (E)	Of the total in (E), how many are FOREIGN? (F)	
		FEDERAL			NON-FEDERAL (D)			
		Fellowships (A)	Traineeships (B)	Research grants (C)				
TOTAL	(1)							
Of the total in each cell of line (1), how many are WOMEN?	(2)							
Of the total in each cell of line (1), how many hold an M.D., D.O., D.D.S., or D.V.M. degree?	(3)							

Approximately how many person hours were required to complete this form? ☐

List other Federal sources (agencies), from item 5, column (H), and number of full-time students supported by each.

Please explain variances from the previous year's data or include other comments:

This questionnaire has been printed on recycled paper.

Survey of Graduate Students and Postdoctorates in Science and Engineering

CROSSWALK BETWEEN NSF DISCIPLINE CODES AND THE NCES CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

The following set of discipline codes categorizes the science and engineering departments or programs in the Survey of Graduate Students and Postdoctorates in Science and Engineering. Representative department names are shown under each of the discipline codes.

ENGINEERING

101 AEROSPACE ENGINEERING

14.02	AEROSPACE, AERONAUTICAL, AND ASTRONAUTICAL ENGR

102 AGRICULTURAL ENGINEERING

14.03	AGRICULTURAL ENGINEERING

103 BIOMEDICAL ENGINEERING

14.05	BIOENGINEERING AND BIOMEDICAL ENGINEERING

104 CHEMICAL ENGINEERING

03.0509	WOOD SCIENCE
14.07	CHEMICAL ENGINEERING
14.32	POLYMER/PLASTICS ENGINEERING

105 CIVIL ENGINEERING

04.02	ARCHITECTURE
14.04	ARCHITECTURAL ENGINEERING
14.08	CIVIL ENGINEERING
14.0803	STRUCTURAL ENGINEERING
14.0805	WATER RESOURCES ENGINEERING
14.14	ENVIRONMENTAL/ENVIRONMENTAL HEALTH ENGINEERING

106 ELECTRICAL ENGINEERING

14.09	COMPUTER ENGINEERING
14.10	ELECTRICAL, ELECTRONICS, AND COMMUNICATIONS ENGR

107 ENGINEERING SCIENCE AND ENGINEERING PHYSICS

14.12	ENGINEERING PHYSICS
14.13	ENGINEERING SCIENCE

108 INDUSTRIAL/MANUFACTURING ENGINEERING

14.17	INDUSTRIAL/MANUFACTURING ENGINEERING
14.27	SYSTEMS ENGINEERING
14.30	ENGINEERING/INDUSTRIAL MANAGEMENT
30.06	SYSTEMS SCIENCE

109 MECHANICAL ENGINEERING

14.11	ENGINEERING MECHANICS
14.19	MECHANICAL ENGINEERING

110 METALLURGICAL AND MATERIALS ENGINEERING

14.06	CERAMIC SCIENCES AND ENGINEERING
14.18	MATERIALS ENGINEERING
14.20	METALLURGICAL ENGINEERING
14.28	TEXTILE SCIENCES AND ENGINEERING
14.31	MATERIALS SCIENCE
40.0701	METALLURGY

111 MINING ENGINEERING

14.15	GEOLOGICAL ENGINEERING
14.16	GEOPHYSICAL ENGINEERING
14.21	MINING AND MINERAL ENGINEERING

112 NUCLEAR ENGINEERING

14.23	NUCLEAR ENGINEERING

113 PETROLEUM ENGINEERING

14.25	PETROLEUM ENGINEERING

114 ENGINEERING, N.E.C.

14.01	ENGINEERING, GENERAL
14.22	NAVAL ARCHITECTURE AND MARINE ENGINEERING
14.24	OCEAN ENGINEERING
14.29	ENGINEERING DESIGN
14.99	ENGINEERING, OTHER

PHYSICAL SCIENCES

201 ASTRONOMY

40.02	ASTRONOMY
40.03	ASTROPHYSICS

202 CHEMISTRY

40.05	CHEMISTRY (SEE ALSO 602)
40.0507	POLYMER CHEMISTRY

203 PHYSICS

40.08	PHYSICS (SEE ALSO 605)
40.0807	OPTICS
40.0809	ACOUSTICS

204 PHYSICAL SCIENCES, N.E.C.

40.01	PHYSICAL SCIENCES, GENERAL
40.0799	MISCELLANEOUS PHYSICAL SCIENCES, OTHER
40.99	PHYSICAL SCIENCES, OTHER

EARTH, ATMOSPHERIC, AND OCEAN SCIENCES

301 ATMOSPHERIC SCIENCES

40.04	ATMOSPHERIC SCIENCES AND METEOROLOGY

302 GEOSCIENCES

40.06	GEOLOGICAL AND RELATED SCIENCES
40.0703	EARTH AND PLANETARY SCIENCES

303 OCEAN SCIENCES

26.0607	MARINE/AQUATIC BIOLOGY
40.0702	OCEANOGRAPHY

304 EARTH, ATMOSPHERIC, AND OCEAN SCIENCES, N.E.C.

MATHEMATICAL SCIENCES

402 MATHEMATICS AND APPLIED MATHEMATICS

27.01	MATHEMATICS
27.03	APPLIED MATHEMATICS
27.0302	OPERATIONS RESEARCH
27.99	MATHEMATICS, OTHER
30.08	MATHEMATICS AND COMPUTER SCIENCE

403 STATISTICS

27.05	MATHEMATICAL STATISTICS
52.0802	ACTUARIAL SCIENCE

COMPUTER SCIENCE

401 COMPUTER SCIENCE

11.01	COMPUTER AND INFORMATION SCIENCES, GENERAL
11.04	INFORMATION SCIENCES AND SYSTEMS
11.07	COMPUTER SCIENCE
52.1201	MANAGEMENT INFORMATION SYSTEMS
52.1301	MANAGEMENT SCIENCE

AGRICULTURAL SCIENCES (SEE ALSO 102 AND 901)

501 AGRICULTURAL SCIENCES

02.01	AGRICULTURE/AGRICULTURAL SCIENCES
02.02	ANIMAL SCIENCES
02.03	FOOD SCIENCES
02.04	PLANT SCIENCES
02.05	SOIL SCIENCES
02.99	AGRICULTURAL SCIENCES, OTHER
03.01	NATURAL RESOURCES CONSERVATION
03.02	CONSERVATION AND REGULATION
03.03	FISHING AND FISHERIES SCIENCES AND MANAGEMENT
03.05	FORESTRY AND RELATED SCIENCES
03.06	WILDLIFE AND WILDLANDS MANAGEMENT
03.99	CONSERVATION AND RENEWABLE NATURAL RESOURCES, OTHER

BIOLOGICAL SCIENCES

601 ANATOMY

26.0601	ANATOMY
51.1301	MEDICAL ANATOMY

602 BIOCHEMISTRY

26.0202	BIOCHEMISTRY
51.1302	MEDICAL BIOCHEMISTRY

603 BIOLOGY

26.01	BIOLOGY, GENERAL

604 BIOMETRY AND EPIDEMIOLOGY

26.0614	BIOMETRICS
26.0615	BIOSTATISTICS
51.1303	MEDICAL BIOMATHEMATICS AND BIOMETRICS
51.2203	EPIDEMIOLOGY

605 BIOPHYSICS

26.0203	BIOPHYSICS
51.1304	MEDICAL BIOPHYSICS/PHYSICS

606 BOTANY

26.03	BOTANY (EXCLUDING 26.05 MICROBIOLOGY/BACTERIOLOGY—SEE 611)
26.0305	PLANT PATHOLOGY
26.0307	PLANT PHYSIOLOGY

607 CELL AND MOLECULAR BIOLOGY

26.04	CELL AND MOLECULAR BIOLOGY
26.0401	CELL BIOLOGY
26.0402	MOLECULAR BIOLOGY
51.1305	MEDICAL CELL BIOLOGY
51.1309	MEDICAL MOLECULAR BIOLOGY

608 ECOLOGY
- 26.0603 ECOLOGY

609 ENTOMOLOGY AND PARASITOLOGY
- 26.0610 PARASITOLOGY
- 26.0702 ENTOMOLOGY

610 GENETICS
- 26.0613 GENETICS, PLANT AND ANIMAL
- 26.0617 EVOLUTIONARY BIOLOGY
- 51.1306 MEDICAL GENETICS

611 MICROBIOLOGY, IMMUNOLOGY, AND VIROLOGY
- 26.05 MICROBIOLOGY/BACTERIOLOGY
- 26.0618 BIOLOGICAL IMMUNOLOGY
- 26.0619 VIROLOGY
- 51.1308 MEDICAL MICROBIOLOGY

612 NUTRITION
- 19.05 FOODS AND NUTRITION STUDIES
- 26.0609 NUTRITIONAL SCIENCES
- 51.1311 MEDICAL NUTRITION

613 PATHOLOGY
- 26.0704 PATHOLOGY, HUMAN AND ANIMAL
- 51.1312 MEDICAL PATHOLOGY

614 PHARMACOLOGY
- 26.0612 TOXICOLOGY
- 26.0705 PHARMACOLOGY, HUMAN AND ANIMAL
- 51.1314 MEDICAL TOXICOLOGY

615 PHYSIOLOGY
- 26.0706 PHYSIOLOGY, HUMAN AND ANIMAL
- 51.1313 MEDICAL PHYSIOLOGY

616 ZOOLOGY
- 26.07 ZOOLOGY

617 BIOSCIENCES, N.E.C.
- 26.0616 BIOTECHNOLOGY RESEARCH
- 26.0699 MISCELLANEOUS BIOLOGICAL SPECIALIZATIONS, OTHER
- 26.99 BIOLOGICAL SCIENCES/LIFE SCIENCES, OTHER
- 30.01 BIOLOGICAL AND PHYSICAL SCIENCES
- 30.10 BIOPSYCHOLOGY

PSYCHOLOGY

801 PSYCHOLOGY, COMBINED
- 42.01 PSYCHOLOGY, GENERAL

802 PSYCHOLOGY, EXCEPT CLINICAL
- 42.03 COGNITIVE PSYCHOLOGY AND PSYCHOLINGUISTICS
- 42.04 COMMUNITY PSYCHOLOGY
- 42.07 DEVELOPMENTAL AND CHILD PSYCHOLOGY
- 42.08 EXPERIMENTAL PSYCHOLOGY
- 42.09 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY
- 42.11 PHYSIOLOGICAL PSYCHOLOGY/PSYCHOBIOLOGY
- 42.16 SOCIAL PSYCHOLOGY
- 42.17 SCHOOL PSYCHOLOGY
- 42.99 PSYCHOLOGY, OTHER
- 51.2301 ART THERAPY
- 51.2303 HYPNOTHERAPY
- 51.2705 PSYCHOANALYSIS

803 CLINICAL PSYCHOLOGY
- 42.02 CLINICAL PSYCHOLOGY

SOCIAL SCIENCES

901 AGRICULTURAL ECONOMICS
- 01.0101 AGRICULTURAL BUSINESS AND MANAGEMENT, GENERAL
- 01.0102 AGRICULTURAL BUSINESS/AGRIBUSINESS OPERATIONS
- 01.0103 AGRICULTURAL ECONOMICS

902 ANTHROPOLOGY (CULTURAL AND SOCIAL)
- 45.02 ANTHROPOLOGY
- 45.03 ARCHAEOLOGY

903 ECONOMICS
- 45.06 ECONOMICS
- 52.06 BUSINESS/MANAGERIAL ECONOMICS

904 GEOGRAPHY
- 45.0701 GEOGRAPHY
- 45.0702 CARTOGRAPHY

905 HISTORY AND PHILOSOPHY OF SCIENCE
- 45.0804 HISTORY AND PHILOSOPHY OF SCIENCE

906 LINGUISTICS
- 16.0102 LINGUISTICS

907 POLITICAL SCIENCE/PUBLIC ADMINISTRATION
- 44.04 PUBLIC ADMINISTRATION
- 44.05 PUBLIC POLICY ANALYSIS
- 44.99 PUBLIC ADMINISTRATION AND SERVICES, OTHER
- 45.09 INTERNATIONAL RELATIONS AND AFFAIRS
- 45.10 POLITICAL SCIENCE AND GOVERNMENT

908 SOCIOLOGY
- 45.05 DEMOGRAPHY AND POPULATION STUDIES
- 45.11 SOCIOLOGY

909 SOCIOLOGY/ANTHROPOLOGY

910 SOCIAL SCIENCES, N.E.C.
- 04.03 CITY/URBAN, COMMUNITY, AND REGIONAL PLANNING
- 04.07 ARCHITECTURAL URBAN DESIGN AND PLANNING
- 05 AREA, ETHNIC, AND CULTURAL STUDIES
- 30.11 GERONTOLOGY
- 43.01 CRIMINAL JUSTICE AND CORRECTIONS
- 44.02 COMMUNITY ORGANIZATION, RESOURCES, AND SERVICES
- 45.01 SOCIAL SCIENCES, GENERAL
- 45.04 CRIMINOLOGY
- 45.12 URBAN AFFAIRS/STUDIES
- 45.99 SOCIAL SCIENCES, OTHER

HEALTH FIELDS (SEE ALSO 103)

701 ANESTHESIOLOGY
- 51.1604 NURSING ANESTHETIST (POST-R.N.)

702 CARDIOLOGY

703 ONCOLOGY/CANCER RESEARCH

704 ENDOCRINOLOGY

705 GASTROENTEROLOGY

706 HEMATOLOGY

707 NEUROLOGY
- 26.0608 NEUROSCIENCE

708 OBSTETRICS AND GYNECOLOGY

709 OPHTHALMOLOGY
- 51.1701 OPTOMETRY (O.D.)

710 OTORHINOLARYNGOLOGY

711 PEDIATRICS

712 PREVENTIVE MEDICINE AND COMMUNITY HEALTH
- 51.22 PUBLIC HEALTH
- 51.2202 ENVIRONMENTAL HEALTH

713 PSYCHIATRY
- 51.1610 NURSING, PSYCHIATRY/MENTAL HEALTH (POST-R.N.)

714 PULMONARY DISEASE

715 RADIOLOGY
- 26.0611 RADIATION BIOLOGY/RADIOBIOLOGY

716 SURGERY

717 CLINICAL MEDICINE, N.E.C.
- 51.1399 MEDICAL BASIC SCIENCES, OTHER
- 51.1201 MEDICINE (M.D.)
- 51.14 MEDICAL CLINICAL SCIENCES (M.S., Ph.D.)
- 51.19 OSTEOPATHIC MEDICINE (D.O.)
- 51.21 PODIATRY (D.P.M., D.P., Pod.D.)

718 DENTAL SCIENCES
- 51.04 DENTISTRY (D.D.S., D.M.D.)
- 51.05 DENTAL CLINICAL SCIENCES/GRAD. DENTISTRY (M.S., Ph.D.)

719 NURSING
- 51.16 NURSING
  (EXCLUDING 51.1610, NURSING, PSYCHIATRY/MENTAL HEALTH—SEE 713, AND 51.1604 NURSING ANESTHETIST—SEE 701)

720 PHARMACEUTICAL SCIENCES
- 51.20 PHARMACY

721 VETERINARY SCIENCES
- 51.24 VETERINARY MEDICINE (D.V.M.)
- 51.25 VETERINARY CLINICAL SCIENCES (M.S., Ph.D.)

722 HEALTH-RELATED, N.E.C.
- 31.0505 EXERCISE SCIENCE/PHYSIOLOGY AND MOVEMENT STUDIES
- 51.2306 OCCUPATIONAL THERAPY
- 51.2308 PHYSICAL THERAPY
- 51.2399 REHABILITATION/THERAPEUTIC SERVICES, OTHER
- 51.2704 NATUROPATHIC MEDICINE
- 51.99 HEALTH PROFESSIONS AND RELATED SCIENCES, OTHER

723 COMMUNICATION DISORDERS SCIENCES
- 51.02 COMMUNICATION DISORDERS SCIENCES AND SERVICES
- 51.0201 COMMUNICATION DISORDERS, GENERAL
- 51.0202 AUDIOLOGY/HEARING SCIENCES
- 51.0203 SPEECH-LANGUAGE PATHOLOGY
- 51.0204 SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

N.E.C. = not elsewhere classified

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